



DRINKING WATER SURVEY
ST. CLAIR -
DETROIT RIVER AREA

Update
August, 1986

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1986

MOE



Ministry
of the
Environment

The Honourable
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Minister

Rod McLeod
Deputy Minister

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Update
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ONTARIO MINISTRY OF THE ENVIRONMENT

DRINKING WATER SURVEY
ST. CLAIR - DETROIT RIVER AREA

1. Drinking Water Surveillance Program (DWSP)

The Ministry of the Environment's Drinking Water Surveillance Program (DWSP) is a comprehensive program to provide immediate, reliable and current information on drinking water quality across the province.

This program was implemented in the St. Clair River area during 1985. This report includes results for drinking water samples taken at the following locations for the time periods listed.

Wallaceburg - June 5, 1985 to April 28, 1986
Mitchell's Bay - June 18, 1985 to April 28, 1986
Windsor - July 15, 1985 to April 30, 1986
Stoney Point - June 6, 1985 to April 21, 1986
Amherstburg - May 23, 1985 to April 21, 1986
Walpole Island - November 6, 1985 to April 29, 1986
Sarnia - November 15, 1985 to April 22, 1986

Some of this data was released previously in the Ministry of the Environment's reports, "Drinking Water Survey: St. Clair - Detroit River Area. December 1985" and "Drinking Water Survey: St. Clair - Detroit River Area. Update. January 1986".

Analyses were routinely conducted at these locations for 139 parameters. These parameters fall into several categories: physical parameters, field tests, anions, microbiological (bacterial) parameters, metals, trihalomethanes, pesticides, and organics.

The results of the tests carried out are shown in Table A. A breakdown of total tests on a plant-by-plant basis is shown in Table B.

This discussion covers all the data collected during this surveillance program.

a) Non-organic Substances

Up to mid-May 1986 29677* results for both raw and treated water have been received; 7581 of these are positive results.

Many of the 7581 positive results fall into categories that are from analyses such as pH and temperature, or are for naturally-occurring substances or treatment byproducts.

There are 1385 positive results, of 1631 reported analyses, for physical parameters, such as pH and temperature. These are used as an indication of the analytical validity and integrity of the sample and the general characteristics of the water.

Positive results for 1029 analyses, of a total of 1039 reported analyses, are categorized as field tests, and serve as a record of some properties of the water at the time of sampling which can be used as a guide to making an assessment of the treatment process; they may also indicate whether any changes occur during the time lapsed between sampling and actual analysis.

* This total includes dioxin results which are not a routine part of the DWSP and as such are discussed separately in Section 3.

A further group of tests was conducted for anions, which are ubiquitous, generally naturally occurring and which provide background information on water characteristics. These tests yielded 876 positive results out of 1779 tests reported.

Positive results were obtained for 497 analyses for bacterial parameters out of a total number reported of 914. These bacterial tests include those for species of paramount importance from a public health point of view, and those which assess the general bacteriological quality and characteristics of the water; by this means, a measure is obtained of the overall efficiency of water treatment processes.

Analyses of 5885 tests for metals in the water samples were reported; of these 3111 were positive results. Metals can occur naturally and most are generally regarded as being ubiquitous. However, some may be present in water as a result of industrial or other discharges. A small number of metals have public health significance.

The Ontario Ministry of Environment (MOE) has an established set of objectives for accepted levels of various compounds in drinking water - Ontario Drinking Water Objectives, or ODWOs. Of those substances discussed above for which there are ODWOs, none exceeded the Objectives. Nor did the levels exceed any guidelines for drinking water set by other jurisdictions, such as the U.S. Environmental Protection Agency (US EPA), the World Health Organization (WHO), and Health and Welfare Canada

(H & W Canada). Furthermore, the results of these analyses are consistent with those obtained in other areas of the Great Lakes.

b) Organic Substances

Trihalomethanes (THMs) are acknowledged to be produced during the water treatment process and will almost always only occur in treated waters. Trihalomethanes are comprised mainly of chloroform, chlorodibromomethane and dichlorobromomethane. Results are reported for the individual compounds as well as for their sum, which is expressed as total trihalomethanes (Total THM). Some 1210 tests were reported for THMs of which 485 yielded positive results. The ODWO for total THM is 350 µg/L; this level was not exceeded in any of the water supplies included in this report.

Four thousand nine hundred and sixty six (4966) tests were carried out for thirty nine (39) different pesticides. There were 232 detections recorded, representing 11 different compounds in both raw and treated waters.

Beta BHC, gamma BHC (lindane), heptachlor and hexachlorobenzene were detected with a significantly higher frequency in the treated water samples than in the raw water. It is unlikely that these compounds are formed during the treatment process. It is possible that changes in the water quality brought about during the treatment process may affect the analytical detectability of these compounds.

Alpha BHC, beta BHC and gamma BHC (lindane) represent greater than 80% of the detections; alpha BHC is frequently detected in the Great Lakes. The remaining pesticides which were detected - dieldrin, methoxychlor, thiodan II, heptachlor epoxide, mirex and pp-DDE - were found only on an occasional basis.

Only two positive results above trace levels for pesticides were identified. Heptachlor was found at 25 ng/L in the treated water at Amherstburg on January 7, 1986; the Ontario Drinking Water Objective (ODWO) for heptachlor is 3000 ng/L.

Hexachlorobenzene was found at 32 ng/L, only in the raw water at Walpole Island on November 15, 1985; it could not be detected in the corresponding treated water sample at a detection limit of 1 ng/L.

Twenty one (21) other organic compounds were detected in either raw or treated water, many at only trace levels and most on an occasional basis. These are listed below:

| | |
|-----------------------|----------------------------|
| benzene | pentachlorobenzene |
| toluene | 2,3,6-trichlorotoluene |
| ethylbenzene | 2,4,5-trichlorotoluene |
| 1,1-dichloroethylene | 2,6,A-trichlorotoluene |
| dichloromethane | 1,2,3-trichlorobenzene |
| 1,1,1-trichloroethane | 1,2,4-trichlorobenzene |
| carbon tetrachloride | 1,3,5-trichlorobenzene |
| tetrachloroethylene | 1,2,3,4-tetrachlorobenzene |
| hexachlorobutadiene | 1,2,3,5-tetrachlorobenzene |
| hexachloroethane | 1,2,4,5-tetrachlorobenzene |
| octachlorostyrene | |

Six of the organic compounds were found above trace levels, in either the raw or treated water, at least on one occasion at one or more locations. These compounds were:

1,2,4,5-tetrachlorobenzene
1,2,3,5-tetrachlorobenzene
pentachlorobenzene
hexachlorobutadiene
2,3,6-trichlorotoluene
octachlorostyrene

Four organic compounds (1,2,4,5- and 1,2,3,5-tetrachlorobenzene, pentachlorobenzene and 2,3,6-trichlorotoluene) were detected above trace levels in treated drinking water at least on one occasion at one or more locations: These positive results are tabulated as follows:

| Compound | Location | Positive Concentration ng/L | Detections Date |
|----------------------------|----------------|--------------------------------|-----------------------|
| 1,2,4,5-tetrachlorobenzene | Amherstburg | 15 | Nov. 21, 1985 |
| | Mitchell's Bay | 25 | Aug. 25, 1985 |
| | Sarnia | 12 | Nov. 15, 1985 |
| | Windsor | 35;22 | Nov. 21/85;Dec. 10/85 |
| 1,2,3,5-tetrachlorobenzene | Amherstburg | 10 | Dec. 2, 1985; |
| | Mitchell's Bay | 27;48 | Mar. 12/86;Apr. 2/86 |
| | Sarnia | 10 | Dec. 10, 1985 |
| | Stoney Point | 25 | Oct. 8, 1985; |
| | Walpole Island | 23 | Nov. 15, 1985 |
| | Windsor | 22 | Jan. 21, 1986 |
| pentachlorobenzene | Windsor | 10 | July 15, 1985 |
| 2,3,6-trichlorotoluene | Stoney Point | 50 | Jan. 29, 1986 |

There are currently no ODWOs for these four compounds, but these levels can be compared to limits developed by other jurisdictions.

The US EPA has set an ambient water guideline for 1,2,4,5-tetrachlorobenzene (set on the assumption that water and fish are consumed from the same water source over a lifetime) of 38000 ng/L.

There is no specific guideline for 1,2,3,5-tetrachlorobenzene. However, the 1,2,4,5-tetrachlorobenzene isomer, which is chemically nearly identical, is considered to be the most toxic of the tetrachlorobenzene isomers. Thus, the 38000 ng/L guideline can be applied to the 1,2,3,5-tetrachlorobenzene isomer with an extra margin of safety. (An isomer is a compound having the same molecular weight and formula as another, but a slightly different structural formula.)

Pentachlorobenzene was detected at the lowest quantifiable level of 10 ng/L; the US EPA ambient water guideline for this substance is 74000 ng/L.

The 2,3,6-trichlorotoluene isomer was detected above trace levels on one occasion, at the quantifiable detection limit of 50 ng/L; it was found at trace levels only, in treated water on several other occasions, as were other trichlorotoluene isomers. There is no drinking water guideline for 2,3,6-trichlorotoluene.

Review of the results would indicate that certain chlorinated compounds, such as hexachloroethane, the chlorobenzenes and the

trichlorotoluenes appear more frequently in the treated water than in the raw water. The Ministry has made a submission to the liaison group of the Canadian Council of Resource and Environment Ministries and the Federal/Provincial Advisory Committee on Environmental and Occupational Health (ACEOH) to consider setting drinking water guidelines for these compounds. The information will be forwarded to the ACEOH sub-committee on drinking water guidelines; MOE has a member on this sub-committee.

Although chlorinated compounds have been detected in industrial and other effluents discharged into the St. Clair River, they were not usually detectable using the methodology normally applied for analysis of raw water samples. One possible "parent" compound or precursor, benzene, has appeared in the raw water at or slightly above the detection limit of 1 µg/L; toluene has only been detected once in the raw water at the detection limit of 1 µg/L. However, the chlorobenzenes and chlorotoluenes are routinely measured with analytical systems having detection limits in a lower range (ng/L); measurements of the precursor compounds at these lower (ng/L) levels could result in more frequent detection of these compounds. If this were the case, it could suggest that the chlorinated compounds are the result of the application of chlorine, during the disinfection process, which reacts with the precursors, such as benzene, in the raw water.

The analytical techniques applied for volatile organic carbon compounds such as benzene and carbon tetrachloride are different from those employed for the other organic substances in this surveillance program. The organic substances are conventionally reported at "trace" levels if

they are detected at less than ten times the detection limit; this convention has not been applied to the reporting of the volatile organic compounds.

Eight volatile organic compounds were detected in either raw or treated water; these were:

| | |
|----------------------|---|
| benzene | dichloromethane |
| toluene | 1,1,1-trichloroethane |
| ethylbenzene | carbon tetrachloride |
| 1,1-dichloroethylene | tetrachloroethylene (perchloroethylene) |

With the exception of benzene and carbon tetrachloride, these compounds occurred only once or twice over the entire surveillance program period. Benzene, ethylbenzene, carbon tetrachloride and tetrachloroethylene were found in treated water as well as in raw water; dichloromethane occurred only in the treated water.

Benzene was found once in the raw water at Amherstburg, and in the raw and treated water at Wallaceburg, Walpole Island and Windsor on several occasions. The WHO has published a guideline value for this substance of 10 µg/L; while the US EPA has recently proposed a Maximum Contaminant Level (MCL) of 5 µg/L, even this lower limit was not exceeded in the treated water.

Similarly, carbon tetrachloride was detected in raw and treated water on a number of occasions at Wallaceburg and Walpole Island, and on two occasions at Windsor only in the treated water; on the majority of

occasions, the compound was found only at the analytical detection limit of 1 µg/L. The WHO has set a tentative guideline value of 3 µg/L for carbon tetrachloride, and this was not exceeded in either the raw or treated water. The US EPA has proposed an MCL of 5 µg/L.

Tetrachloroethylene (perchloroethylene) was spilled into the St. Clair River in August 1985 and daily, or more frequent testing was carried out as described in previous update reports** under the Perchloroethylene Drinking Water Program. In the course of this testing program, tetrachloroethylene was found in both raw and treated water, in the weeks immediately following the spill, at Walpole Island, Wallaceburg, Windsor and Amherstburg. As a parameter in DWSP, tetrachloroethylene was detected only at one location, Wallaceburg, on two occasions: on September 3, 1985, following the spill, the compound was found in the raw water at a level of 4 µg/L; it was found once more on March 31, 1986 at the analytical detection limit of 1 µg/L, again only in the raw water. The WHO tentative drinking water guideline for tetrachloroethylene is 10 µg/L.

Both benzene and carbon tetrachloride have been found at Wallaceburg, Walpole Island and Windsor (benzene was also found further downstream at Amherstburg), but not at Stoney Point or Mitchell's Bay which lie downstream of Wallaceburg. This may indicate that compounds discharged in the Chemical Valley tend to follow a channeled flow through Lake St. Clair, rather than dispersing throughout the lake, or it might mean

** 1. Drinking Water Survey; St. Clair-Detroit River Area. December 1985, MOE.
2. Drinking Water Survey: St. Clair-Detroit River Area. Update January 1986, MOE.

that these compounds are entering the water from sources upstream of the Windsor water intake.

Powdered activated carbon (PAC) was added at the Walpole Island and Wallaceburg water treatment plants following the tetrachloroethylene spill in August 1985. The results of this survey indicate that very low levels of benzene and carbon tetrachloride in raw water appear to be incompletely removed by conventional water treatment processes, and this is also the case even with the addition of powdered activated carbon at levels predicted to be effective for tetrachloroethylene removal (5 mg/L). This is not an unreasonable finding given the different adsorptive capacity of various activated carbons for different organic substances. In addition, the varying adsorbabilities of organic compounds, the varying dosage required for different compounds, and the possible competition for adsorption sites among organic substances all affect removal efficiencies. Air stripping or reverse osmosis might provide more appropriate technology for the removal of benzene and/or carbon tetrachloride, should it become necessary if levels of these compounds in treated water rise above guideline values.

Since both benzene and carbon tetrachloride appear in raw water more frequently than other organic compounds, any abatement strategy must address these two compounds. The recently announced Municipal-Industrial Strategy for Abatement (MISA) program requires a thorough chemical characterization of all discharges which will identify all discharge constituents and set limits for contaminants of

concern. If benzene and carbon tetrachloride are present due to industrial discharges, the MISA regulatory approach will curtail inputs of these compounds.

Ethylbenzene was detected on one occasion in the treated water at Walpole Island at a level of 2 µg/L; the US EPA ambient water guideline is 1400 µg/L for this compound.

Dichloromethane was found on one occasion in the treated water at Sarnia at a level of 18 µg/L. Neither the WHO nor the US EPA have set drinking water guidelines for this compound; however, the California State Department of Health has recommended an "Action Level" of 40 µg/L.

Of those substances discussed above for which there are ODWOs, none exceeded the Objectives. Nor did the levels exceed any guidelines for drinking water set by other jurisdictions, such as the US EPA, the WHO and H & W Canada.

2. Mass Spectrometric Analysis

Following the August 1985 Dow Chemical spill of perchloroethylene, the resultant chemical puddles were analyzed by MOE and 19 organic chemicals were found. These 19 compounds were added to the regular DWSP list of parameters. Mass spectrometry was used for the analysis of these compounds in raw and treated water. The number of tests carried out and the positive results are given in Table B.

Of the nineteen organic chemicals looked for, ten were found in either raw or treated water; one of these, atrazine, is already in the DWSP list of parameters.

Eight of these 19 chemicals were found at levels above the detection limit but too low to accurately measure; these compounds are:

- methyl phenanthrene
- diphenyl ether
- di-N-butyl phthalate
- atrazine
- biphenyl
- aliphatic hydrocarbons
- butoxy ethoxyethane
- trimethyl naphthalene

Four of these compounds were detected in treated drinking water. The four that were detected (di-N-butyl-phthalate, atrazine, butoxy ethoxyethane and aliphatic hydrocarbons) were found in treated drinking water at least on one occasion at one or more locations, using a non-quantitative mass spectrometric method.

Di-N-butyl-phthalate was found at all locations in almost every sample taken. The maximum value was at Stoney Point on January 15, 1986, when 2.4 µg/L was found in treated water. There is a US EPA ambient water guideline set at 34000 µg/L for this compound. Phthalates, which are used primarily as plasticizers, are considered ubiquitous in the Great Lakes.

Atrazine was found only once at Mitchell's Bay at 0.2 µg/L on January 6, 1986. An interim maximum acceptable concentration (IMAC) of 46 µg/L was set by MOE in conjunction with H & W Canada. Atrazine, as part of the DWSP pesticide scan, is looked for only seasonally and thus was not analyzed for on this date as part of the routine non-mass spectrometric examination.

At Windsor on December 17, 1985, 0.9 µg/L of butoxy ethoxyethane was found in the treated water; it could not be detected in the corresponding raw water sample, at a detection limit of 0.1 µg/L. This compound has not occurred since December 1985. No drinking water objectives are available for this compound.

Aliphatic hydrocarbons occurred only once during the survey and have not occurred in any of the samples taken since December 16, 1985.

3. DIOXIN DRINKING WATER PROGRAM

Beginning in June 1985, the MOE tested for dioxins at five St. Clair area water treatment plants: Sarnia (Lambton), Wallaceburg, Windsor Walpole Island and Amherstburg. (See Table C.1)

In November 1985, an agreement was entered into by H & W Canada, Carleton University and the MOE to allow this program to be expanded to include 7 area water treatment plants (Sarnia, Walpole Island, Wallaceburg, Amherstburg, Windsor, Mitchell's Bay and Stoney Point). (See Table C.2)

Arising from this joint study on dioxin testing, several technical decisions relating to data interpretation required resolution.

H & W Canada uses high resolution mass spectrometry while the MOE routinely uses low resolution mass spectrometry, with high resolution mass spectrometry reserved for corroborating positive findings.

The data given in Table C.3 shows that no dioxins or furans have been found in treated waters since February 26, 1986. At about that time, the MOE Laboratory and H & W Canada revised the criteria for interpreting chlorinated dibenzodioxin and dibenzofuran analytical data at the part per quadrillion (ppq) levels in drinking water supplies. This protocol is required to formalize the rigorous data interpretation rules necessary to handle ultra-trace organic compound analysis near the method detection limit. This change in reporting procedures could account for the non-detection of dioxins and furans since February 26, 1986.

The protocol ensures that:

- a high degree of reliability can be attached to the analytical data
- the methods of data treatment are clearly specified and
- data reported by different laboratories can be compared on a common basis.

A summary of the results of the dioxin survey is as follows, with dates shown by month/day/year:

1. Octadibenzodioxins were found in treated water at Wallaceburg on 01/12/86; at Walpole Island on 01/06/86 and 01/13/86; and at Windsor on 01/21/86.
2. Octadibenzodioxins were found at trace levels in treated water at Mitchell's Bay on 11/25/85 and 12/09/85; at Sarnia on 12/09/85; at Wallaceburg on 12/02/85 and 12/16/85; at Windsor on 12/03/85, 12/10/85 and 01/14/86; and at Stoney Point on 01/15/86.
3. Octadibenzofurans were found in treated water at trace levels at Windsor on 12/03/85.
4. No 2,3,7,8-tetradibenzodioxin was found in any sample of raw or treated water.
5. Tetradibenzodioxins were found in raw water at Windsor on 07/15/85 and at Walpole Island on 12/05/85; none were found in treated water.
6. Pentadibenzodioxins were found in raw water at Walpole Island on 12/05/85; none were found in treated water.
7. Hexadibenzodioxins were found in raw water at Wallaceburg on 12/02/85; they were not found in any treated water.

8. Heptadibenzodioxins were found only once in raw water at Amherstburg on 12/02/85; they were not found in treated water.
9. Octadibenzodioxins were found in raw water at Windsor on 07/15/85, 09/25/85, 11/20/85, 12/03/85, 12/10/85, 12/17/85, 02/12/86, 02/19/86 and 02/26/86; at Amherstburg on 07/02/85, 11/19/85, 12/02/85, 01/21/86, 02/17/86 and 02/26/86; at Mitchell's Bay on 11/25/85, 12/09/85, 01/06/86, 01/20/86, 02/18/86 and 02/24/86; at Wallaceburg on 12/03/85, 12/09/85 and 02/24/86; at Walpole Island on 12/09/85, 01/13/86 and 02/24/86; at Stoney Point on 12/03/85, 12/17/85, 01/15/86 and 01/29/86; and at Sarnia on 01/20/86 and 02/23/86.
10. Octadibenzodioxins were found at trace levels in raw water at Windsor on 01/14/86.
11. Tetradibenzofurans were found in raw water at Wallaceburg on 12/02/85; none were found in treated water.
12. Pentadibenzofurans were found in Wallaceburg on 12/02/85; none were found in treated water.
13. Octadibenzofurans were found in raw water at Windsor on 12/03/85 and at Wallaceburg on 12/02/85.

To put the results of the octadibenzodioxins and the octadibenzofurans in perspective, the following information is offered:

- ° An interim "maximum acceptable concentration " of 15 ppq (as 2,3,7,8-dibenzodioxin) for drinking water was derived by an expert group with members from H & W Canada, Ontario Ministry of Health, Ontario Ministry of Labour, and MOE. Dibenzodioxins and dibenzofurans, other than 2,3,7,8-tetradibenzodioxin, are far less toxic, some of these by as much as a factor of ten thousand.
- ° Therefore, the levels found in treated water, even for the maximum value of 46 ppq octadibenzodioxins at Windsor (01/21/86) should be compared to a much larger number to reflect the lower toxicity of this compound. This number is 150000 ppq, derived by multiplying the health-based level of 15 ppq by the lower toxicity factor of 10000. A similar comparison can be made for the situation of trace levels of octadibenzodioxins plus octadibenzofurans found in Windsor treated water (12/03/85). Assessment should be made, even assuming the maximum values for the two traces (at $T \leq 10$ ppq) i.e., $T \leq 20$ ppq total, by again comparing with the 150000 ppq number to reflect the lower toxicity of the two compounds.

Note: $T \leq$ (number) means below or equal to the reporting limit, that is, dioxin or furan is present but at a level too low to quantify.

DATA REPORTING MECHANISM

Final analytical results are usually received by the DWSP reporting system within 6 weeks of the time of sampling. At this time, printouts of the completed analyses are sent to the MOE District Officer and the appropriate MOE regional office. This information is also available from the DWSP coordinator. The DWSP is able to monitor analysis results and assess trends. Should the level of a contaminant exceed a health-related ODWO, action is required as outlined in the publication, Ontario Drinking Water Objectives. The DWSP issues an "Action Alert" which notifies appropriate MOE and health authorities, and supplies a history of the occurrence of the contaminant in the water supply system concerned.

SUMMARY

The data reveal that for metals, inorganic ions, and bacterial parameters, raw water values are frequently in the detectable range; levels of metals and inorganics are also found in treated water. The levels of metals, inorganic compounds, and bacteria are consistent with those found in water sources in the province.

For the organic compounds, most are below detection levels, even though the most sophisticated equipment available was employed in the chemical analysis.

For all parameters for which there are ODWOs, including organic compounds and pesticides, which were detected in the treated water, there were no exceedences of the Objectives.

ODWOs have not been established for some of the compounds detected; for these few compounds, use was made of appropriate guidelines set by other agencies, such as the World Health Organization, the US Environmental Protection Agency, Health and Welfare Canada or other agencies. None of these guidelines were exceeded.

The report identifies some compounds detected for which drinking water guidelines are not yet available. These compounds have been submitted for consideration for setting drinking water guidelines to the appropriate expert groups by the Ministry of the Environment.

Table A - Comment

Ontario Drinking Water Objectives (ODWO)

The primary purpose of drinking water objectives is the protection of the health of the public consuming the water. Aesthetic considerations may also provide a basis for drinking water objectives, since the water should be pleasant to drink. The control of such aspects of water quality as hardness, corrosiveness, etc. is also important. The limits set are considered to outline the minimum requirements necessary to fulfill the above objectives, and may be either health related or related to aesthetic and other considerations.

Because this survey covered such a large number of parameters, many of them did not have an ODWO. In order to be able to compare data results to health guidelines, it was necessary to refer to objectives and guidelines from other jurisdictions.

Table A - Footnotes

A3C = approximate result; exceeds 300 colonies
AW = analysis withdrawn
c = California State Department of Health Action Level
CS = contamination suspected
d = ODWO for DDT (contains other isomers such as OPDDT and PPDDT)
e = USEPA ambient guideline
ea = United States Environmental Protection Agency (USEPA) ambient level for endosulfan (contains other isomers)
g = suggested Health and Welfare Canada/Ontario Ministry of the Environment guideline value
h = World Health Organization (WHO) guideline
h* = World Health Organization (WHO) Odour Threshold
IS = no data: insufficient sample provided for this analysis
LA = lab accident
mg/L = milligrams per litre, parts per million, (ppm)
NA = not applicable to this type of sample
ng/L = nanograms per litre, parts per trillion, (ppt)

Table A - Footnotes (continued)

| | | |
|--|---|--|
| EF | = | no data; laboratory equipment failure |
| TCU | = | True Colour Units |
| IL | = | no data; sample incorrectly labled |
| NR | = | not requested |
| NS | = | not sampled |
| OP | = | obscured plate |
| Presence/Absence = microbiological test to indicate presence or absence of coliform bacteria | | |
| R | = | raw water |
| T | = | Treated Drinking Water |
| <T | = | below the usual reporting limit of 10 times analytical detection, and is provided for information only |
| t | = | ODWO Interim maximum acceptable concentration, (IMAC) |
| ug/L | = | micrograms per litre, parts per billion, (ppb) |
| UPR | = | no data; no preserved sample provided for this test |
| UR | = | no data; no unpreserved sample provided for this test |
| <W | = | less than lowest detectable concentration |
| y | = | New York State (Taste and Odour) proposed drinking water guideline |
| 1 | = | ODWO unless noted |
| > | = | greater than |
| < | = | less than |
| !NR | = | sample not received at laboratory |
| !AD | = | no data; anomalous data withdrawn |
| !72 | = | no data; sample age exceeds 72 hours |
| + | = | no data; seasonal analysis |
| ++ | = | total Trihalomethanes |
| +++ | = | combined total: Heptachlor and Heptachlor Epoxide |
| * | = | total Kjeldahl Nitrogen minus Ammonia Nitrogen |
| ** | = | total of Aldrin and Dieldrin |
| *** | = | Chlordane is a mixture of alpha and gamma isomers |

Table A - Footnotes (continued)

TN = no data, too numerous to count
X<T = present but not quantifiable
SM = no data; sample missing (lost in lab?)
BT = no data; sample broken in transit
BL = no data; unreliable blank
NSS = no suitable sample
! = Ministry of the Environment and Health and Welfare Canada, (IMAC)

TABLE A

AMHERSTBURG WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 1

[illegible]

PAGE 2

| PARAMETERS | | | DATE | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/GUIDELINE ¹ |
|-------------------|-------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|---|
| | | | MAY 23 | AUG 26 | SEP 23 | OCT 28 | NOV 21 | NOV 25 | DEC 2 | DEC 10 | JAN 7 | | |
| 12 O-XYLENE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 ug/L | 620 |
| 12 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | | ug/L |
| 13 CALCIUM | | R | 26.5 | 27.2 | 29.6 | 30.0 | 34.6 | 31.0 | 42.0 | 40.2 | 30.5 | 0.1 mg/L | |
| 13 (LAB) | mg/L | T | 26.8 | 28.4 | 30.0 | 30.0 | 37.0 | 33.5 | 34.8 | 42.0 | 31.5 | | |
| 14 CYANIDE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 0.001 | 0.2 |
| 14 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | mg/L |
| 15 CADMIUM | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 0.0003 | 0.005 |
| 15 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | mg/L |
| 16 CHLORIDE | | R | 10.4 | 8.8 | 9.6 | 10.6 | 22.4 | 17.6 | 21.0 | 26.2 | 30.8 | 0.2 | 250 |
| 16 (LAB) | mg/L | T | 10.4 | 12.8 | 12.4 | 19.8 | 22.4 | 20.2 | 19.4 | 27.6 | 34.4 | mg/L | mg/L |
| 17 COLOUR | TCU | R | 3.0 | 4.0 | 6.0 | 7.0 | 22.5 | 7.5 | 80.0 | 20.0 | 7.0 | 0.5 | 5 |
| 17 (LAB) | | T | 1.0<T | 0.5<T | 0.5<T | 0.5<T | 0.5<T | 0.5<T | 1.5<T | 0.5<T | <W | TCU | TCU |
| 18 CONDUCTIVITY | | R | 232.00 | 230.00 | 238.00 | 238.00 | 310.00 | 270.00 | 349.00 | 352.00 | 316.00 | 0.01 | |
| 18 (LAB) | umho/cm | T | 238.00 | 246.00 | 258.00 | 269.00 | 323.00 | 300.00 | 306.00 | 368.00 | 329.00 | UMHO/CM | |
| 19 COBALT | | R | <W | <W | 0.001 | <W | 0.001 | 0.001 | 0.009 | 0.002 | <W | 0.001 | |
| 19 (MET) | mg/L | T | <W | <W | <W | <W | 0.001 | <W | <W | <W | <W | mg/L | |
| 20 CHROMIUM | | R | 0.003 | <W | 0.002 | 0.002 | 0.003 | 0.003 | 0.017 | 0.004 | 0.001 | 0.001 | 0.05 |
| 20 (MET) | mg/L | T | 0.002 | <W | 0.001 | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | mg/L | mg/L |
| 21 COPPER | | R | 0.007 | 0.004 | 0.005 | 0.006 | 0.006 | 0.008 | 0.020 | 0.008 | 0.004 | 0.001 | 1 |
| 21 (MET) | mg/L | T | 0.002 | 0.001 | <W | 0.003 | 0.003 | 0.013 | 0.004 | 0.005 | 0.002 | mg/L | mg/L |
| 22 F. COLIFORM MF | | R | 118 | LA | 124 | 176 | >300 | TN | TN | TN | >600 | 0 | 0/0.1 |
| 22 (BAC) | count/100mL | T | NA | NA | NA | NA | NA | NA | NA | NA | NA | | mL |

AMHERSTBURG WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 3

| PARAMETERS | | | DATE | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|------------------------------|----------|---|--------|--------|--------|--------|--------|--------|-------|--------|-------|--------------------|--|------------------------------|
| | | | MAY 23 | AUG 26 | SEP 23 | OCT 28 | NOV 21 | NOV 25 | DEC 2 | DEC 10 | JAN 7 | | | JAN 14 |
| 23 IRON | | R | 0.490 | 0.110 | 0.250 | 0.270 | 0.940 | 0.560 | 9.800 | 1.200 | 0.045 | 0.032 | 0.002 mg/L | 0.3 mg/L |
| 23 (MET) | mg/L | T | 0.010 | 0.013 | <W | <W | 0.002 | 0.014 | 0.025 | 0.004 | <W | <W | | |
| 24 FLUORIDE | | R | 0.09 | 0.09 | 0.10 | 0.11 | 0.14 | 0.10 | 0.16 | 0.12 | 0.14 | 0.08 | 0.01 mg/L | 2.4 mg/L |
| 24 (LAB) | mg/L | T | 1.15 | 1.04 | 1.17 | 1.02 | 0.97 | 1.20 | 1.11 | 1.08 | 1.08 | 1.12 | | |
| 25 FIELD CHLORINE (COMBINED) | | R | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 25 (FLD) | | T | 0.20 | 0.10 | 0.20 | 0.20 | 0.10 | 0.00 | 0.10 | 0.25 | 0.10 | 0.10 | | |
| 26 FIELD CHLORINE (FREE) | | R | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 26 (FLD) | | T | 0.70 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.65 | 0.80 | 0.80 | | |
| 27 FIELD CHLORINE (TOTAL) | | R | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 27 (FLD) | | T | 0.90 | 0.90 | 1.00 | 1.00 | 0.90 | 0.80 | 0.90 | 0.90 | 0.90 | 0.90 | | |
| 28 FIELD PH | | R | 7.70 | 7.70 | 7.70 | 7.80 | 8.10 | 7.60 | 7.80 | 7.90 | 7.70 | 8.20 | | |
| 28 (FLD) | | T | 6.90 | 7.20 | 7.10 | 7.10 | 7.20 | 6.80 | 7.10 | 7.00 | 7.10 | 7.10 | | |
| 29 FIELD TEMPERATURE | | R | 14.0 | 22.0 | 21.0 | 14.0 | 9.0 | 7.0 | 5.0 | 2.0 | 0.5 | 0.1 | | |
| 29 (FLD) | | T | 15.0 | 22.0 | 20.0 | 14.0 | 8.0 | 6.0 | 5.0 | 3.0 | 1.0 | 2.0 | | |
| 30 FIELD TURBIDITY | | R | 7.70 | 6.10 | 7.30 | 5.30 | 23.0 | 24.2 | 112.0 | 34.0 | 2.30 | 1.70 | | 1 FTU |
| 30 (FLD) | | T | 0.08 | 0.12 | 0.17 | 0.04 | 0.05 | 0.23 | 0.27 | 0.38 | 0.15 | 0.11 | | |
| 31 HARDNESS | | R | 95.4 | 97.1 | 105.0 | 105.0 | 123.0 | 110.0 | 149.0 | 140.0 | 109.0 | 103.7 | 0.5 mg/L | |
| 31 (LAB) | mg/L | T | 96.1 | 101.0 | 107.0 | 106.0 | 130.0 | 117.0 | 122.0 | 144.0 | 112.0 | 103.7 | | |
| 32 STANDARD PLATE COUNT MF | | R | 1800 | >2400 | NR | LA | >2400 | >2400 | >2400 | AW | 580 | 1000 | 0 | 500 orga- nisms per mL |
| 32 (BAC) | count/mL | T | 280 | 1 | 2 | 9 | 1 | 1 | 4 | AW | AW | AW | | |
| 33 MERCURY | | R | <W | <W | 0.01 | <W | 0.01 | 0.01 | 0.10 | 0.01 | 0.01 | 0.01 | 0.01 ug/L | 1 ug/L |
| 33 (MET) | ug/L | T | <W | <W | 0.01 | <W | 0.01 | <W | <W | <W | 0.01 | <W | | |

AMHERSTBURG WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 4

[illegible]

AMHERSTBURG WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 5

| PARAMETERS | | DATE | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJECTIVE GUIDELINE ¹ |
|--|--------|--------------|------------------|--------------|--------------|--------------|------------------|------------------|---------------|--------------|--------------|-----------------|---|
| | | MAY 23 | AUG 26 | SEP 23 | OCT 28 | NOV 21 | NOV 25 | DEC 2 | DEC 10 | JAN 7 | JAN 14 | | |
| 45 PH 45 (LAB) | R T | 8.22 7.20 | 8.22 7.37 | 8.45 7.44 | 8.29 7.45 | 8.24 7.29 | 7.99 7.22 | 7.90 6.96 | 8.16 7.24 | 8.04 7.28 | 8.05 7.40 | | |
| 46 PHOSPHORUS FILTERED REACTIVE 46 (LAB) mg/L | R T | <W <W | <W <W | <W <W | <W <W | NR NR | <W <W | 0.06<T 0.01<T | <W <W | <W <W | <W <W | 0.01 mg/L | |
| 47 PHOSPHORUS TOTAL 47 (LAB) mg/L | R T | 0.02<T <W | 0.06<T 0.04<T | 0.04<T <W | 0.02<T <W | NR NR | 0.08<T 0.02<T | 0.42 <W | 0.070<T <W | 0.013 <W | <W <W | 0.01 mg/L | |
| 48 ALDRIN 48 (PST) ng/L | R T | <W <W | <W <W | <W <W | <W <W | <W <W | <W <W | <W <W | <W <W | <W <W | <W <W | 1 ng/L | 700 ng/L ** |
| 49 ALPHA BHC 49 (PST) ng/L | R T | <W 3<T | <W <W | 3<T 2<T | 2<T 2<T | 2<T 3<T | 2<T 2<T | 2<T <W | 3<T <W | 1<T 1<T | 4<T 1<T | 1 ng/L | 700 ng/L c |
| 50 BETA BHC 50 (PST) ng/L | R T | <W <W | <W <W | <W <W | <W <W | <W <W | <W 4<T | <W <W | <W <W | <W <W | 1<T <W | 1 ng/L | 300 ng/L c |
| 51 LINDANE 51 (PST) ng/L | R T | <W <W | <W <W | <W <W | <W <W | <W <W | <W <W | <W <W | <W <W | <W <W | 2<T <W | 1 ng/L | 4000 ng/L |
| 52 ALPHA CHLORDANE 52 (PST) ng/L | R T | <W <W | <W <W | <W <W | <W <W | <W <W | <W <W | <W <W | <W <W | <W <W | <W <W | 2 ng/L | 700 ng/L *** |
| 53 GAMMA CHLORDANE 53 (PST) ng/L | R T | <W <W | <W <W | <W <W | <W <W | <W <W | <W <W | <W <W | <W <W | <W <W | <W <W | 2 ng/L | 700 ng/L *** |
| 54 DIELDRIN 54 (PST) ng/L | R T | <W <W | <W <W | <W <W | <W <W | <W <W | <W <W | <W <W | <W <W | <W <W | <W <W | 2 ng/L | 700 ng/L ** |
| 55 METHOXYCHLOR 55 (PST) ng/L | R T | <W <W | <W <W | <W <W | <W <W | <W <W | <W <W | <W <W | <W <W | <W <W | <W <W | 5 ng/L | 100000 ng/L |

AMHERSTBURG WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 6

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|------------|--------------------|---|---------|--------|--------|--------|--------|--------|-------|--------|-------|--------------------|--|--------|
| | | | MAY 23 | AUG 26 | SEP 23 | OCT 28 | NOV 21 | NOV 25 | DEC 2 | DEC 10 | JAN 7 | | | JAN 14 |
| 56 | ENDRIN | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 4 | 200 | |
| 56 | (PST) | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L | |
| 57 | THIODAN SULPHATE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 4 | | |
| 57 | (PST) | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | | |
| 58 | THIODAN I | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 2 | 74000 | |
| 58 | (PST) | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L | ea |
| 59 | THIODAN II | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 4 | 74000 | |
| 59 | (PST) | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L | ea |
| 60 | METHYLPARATHION | R | + | + | + | + | + | + | + | + | + | 50 | 7000 | |
| 60 | (SPC) | T | + | + | + | + | + | + | + | + | + | ng/L | ng/L | |
| 61 | PARATHION | R | + | + | + | + | + | + | + | + | + | 50 | 35000 | |
| 61 | (SPC) | T | + | + | + | + | + | + | + | + | + | ng/L | ng/L | |
| 62 | HEPTACHLOR EPOXIDE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 3000 | +++ |
| 62 | (PST) | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L | |
| 63 | HEPTACHLOR | R | <W | <W | <W | <W | 1<T | <W | <W | <W | <W | 1 | 3000 | |
| 63 | (PST) | T | <W | <W | <W | <W | <W | 5<T | <W | <W | 25 | ng/L | ng/L | +++ |
| 64 | MIREX | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 5 | | |
| 64 | (PST) | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | | |
| 65 | OXYCHLORDANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 2 | | |
| 65 | (PST) | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | | |
| 66 | O, P, -DDT | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 5 | 30000 | |
| 66 | (PST) | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L | d |

PAGE 7

[illegible]

PAGE 8

[illegible]

AMHERSTBURG WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 9

[illegible]

**AMHERSTBURG WATER TREATMENT PLANT
1985-1986 DWSP DATA**

PAGE 10

| PARAMETERS | | | D A T E | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|---------------------------|---|----|---------|--------|--------|--------|--------|--------|-------|--------|--------------------|--|---------|
| | | | MAY 23 | AUG 26 | SEP 23 | OCT 28 | NOV 21 | NOV 25 | DEC 2 | DEC 10 | | | JAN 7 |
| 99 CHLOROFORM | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 350 |
| 99 (VOL) ug/L | T | 21 | 38 | 31 | 20 | 26 | 17 | 16 | 15 | 24 | 13 | ug/L | ug/L ++ |
| 100 DICHLOROMETHANE | R | <W | <W | <W | <W | <W | CS | <W | <W | <W | <W | 5 | 40 |
| 100 (VOL) ug/L | T | <W | <W | <W | <W | <W | CS | <W | <W | <W | <W | ug/L | ug/L c |
| 101 1,1,1-TRICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 1000 |
| 101 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L c |
| 102 1,2-DICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 10 |
| 102 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L h |
| 103 CARBON TETRACHLORIDE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 3 |
| 103 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L h |
| 104 1,2 DICHLOROPROPANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | |
| 104 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | |
| 105 TRICHLOROETHYLENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 30 |
| 105 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L h |
| 106 DICHLOROBROMOMETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 350 |
| 106 (VOL) ug/L | T | 10 | 14 | 13 | 9 | 12 | 10 | 7 | 10 | 12 | 8 | ug/L | ug/L ++ |
| 107 1,1,2-TRICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 6 |
| 107 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L e |
| 108 CHLORODIBROMOMETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 350 |
| 108 (VOL) ug/L | T | 5 | 15 | 15 | 8 | 9 | 9 | 6 | 9 | 14 | 8 | ug/L | ug/L ++ |

PAGE 11

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|-------------------------------|---|----|---------|--------|--------|--------|--------|--------|-------|--------|-------|--------------------|--|----|
| | | | MAY 23 | AUG 26 | SEP 23 | OCT 28 | NOV 21 | NOV 25 | DEC 2 | DEC 10 | JAN 7 | | | |
| 109 TETRACHLOROETHYLENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 10 | |
| 109 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L | h |
| 110 BROMOFORM | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 350 | |
| 110 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L | ++ |
| 111 1,1,2,2-TETRACHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 1.7 | |
| 111 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L | e |
| 112 HEXACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | 3<T | <W | <W | <W | 1 | 10 | |
| 112 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L | h |
| 113 HEXACHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 19000 | |
| 113 (CHA) ng/L | T | <W | <W | <W | <W | 5<T | <W | <W | <W | <W | <W | ng/L | ng/L | e |
| 114 OCTACHLOROSTYRENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | | |
| 114 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | | |
| 115 PENTACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 3<T | 1 | 74000 | |
| 115 (CHA) ng/L | T | <W | <W | <W | <W | 4<T | <W | <W | <W | <W | <W | ng/L | ng/L | e |
| 116 TOTAL TRIHALOMETHANES | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 3 | 350 | |
| 116 (VOL) ug/L | T | 36 | 67 | 59 | 37 | 47 | 36 | 29 | 34 | 50 | 29 | ug/L | ug/L | ++ |
| 117 2,3,6-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 5 | | |
| 117 (CHA) ng/L | T | <W | <W | <W | <W | <W | 19<T | 13<T | <W | 25<T | 17<T | ng/L | | |
| 118 2,4,5-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 5 | 10000 | |
| 118 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L | g |
| 119 2,6,A-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 5 | | |
| 119 (CHA) mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | | |

**AMHERSTBURG WATER TREATMENT PLANT
1985-1986 DWSP DATA**

PAGE 12

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|--------------------------------|---|----|---------|--------|--------|--------|--------|--------|-------|--------|-------|--------------------|--|
| | | | MAY 23 | AUG 26 | SEP 23 | OCT 28 | NOV 21 | NOV 25 | DEC 2 | DEC 10 | JAN 7 | JAN 14 | |
| 120 CHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 100-300 |
| 120 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L h* |
| 121 1,4-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 400 |
| 121 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L e |
| 122 1,3-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 400 |
| 122 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L e |
| 123 1,2-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 400 |
| 123 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L e |
| 124 TRIFLUOROCHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 |
| 124 (CHA) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L |
| 125 1,2,3-TRICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 5 |
| 125 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L y |
| 126 1,2,3,4-TETRACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 |
| 126 (CHA) ng/L | T | <W | 3<T | <W | <W | <W | <W | 3<T | <W | <W | <W | <W | ng/L |
| 127 1,2,3,5-TETRACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 |
| 127 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | 10 | <W | 5<T | <W | <W | ng/L |
| 128 1,2,4-TRICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | 16<T | <W | <W | <W | <W | 5 |
| 128 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | 12<T | <W | ng/L y |
| 129 1,2,4,5-TETRACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 |
| 129 (CHA) ng/L | T | <W | <W | <W | <W | 15 | <W | <W | 7<T | <W | <W | <W | ng/L e |
| 130 1,3,5-TRICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 5 |
| 130 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | 9<T | <W | <W | <W | <W | ng/L y |

AMHERSTBURG WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 13

| PARAMETERS | | D A T E | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|-------------------------------|---|---------|--------|--------|--------|--------|--------|-------|--------|-------|--------|--------------------|--|---|
| | | MAY 23 | AUG 26 | SEP 23 | OCT 28 | NOV 21 | NOV 25 | DEC 2 | DEC 10 | JAN 7 | JAN 14 | | | |
| 131 PENTACHLOROPHENOL | R | + | + | + | <W | + | + | + | + | + | + | 50 | 10000 ng/L | h |
| 131 (CHP) ng/L | T | + | + | + | <W | + | + | + | + | + | + | ng/L | | |
| 132 2,3,4-TRICHLOROPHENOL | R | + | + | + | <W | + | + | + | + | + | + | 100 | ng/L | |
| 132 (CHP) ng/L | T | + | + | + | <W | + | + | + | + | + | + | ng/L | | |
| 133 2,3,4,5-TETRACHLOROPHENOL | R | + | + | + | <W | + | + | + | + | + | + | 50 | ng/L | |
| 133 (CHP) ng/L | T | + | + | + | <W | + | + | + | + | + | + | ng/L | | |
| 134 2,3,5,6-TETRACHLOROPHENOL | R | + | + | + | <W | + | + | + | + | + | + | 50 | ng/L | |
| 134 (CHP) ng/L | T | + | + | + | <W | + | + | + | + | + | + | ng/L | | |
| 135 2,4,5-TRICHLOROPHENOL | R | + | + | + | <W | + | + | + | + | + | + | 50 | ng/L | |
| 135 (CHP) ng/L | T | + | + | + | <W | + | + | + | + | + | + | ng/L | | |
| 136 2,4,6-TRICHLOROPHENOL | R | + | + | + | <W | + | + | + | + | + | + | 50 | 10000 ng/L | h |
| 136 (CHP) ng/L | T | + | + | + | <W | + | + | + | + | + | + | ng/L | | |
| 137 ZINC | R | 0.006 | 0.003 | 0.003 | 0.005 | 0.007 | 0.007 | 0.051 | 0.010 | 0.004 | 0.005 | 0.001 | 5 mg/L | h |
| 137 (MET) mg/L | T | <W | 0.001 | 0.010 | 0.002 | 0.002 | 0.007 | 0.002 | 0.002 | 0.003 | 0.005 | mg/L | | |
| 138 PENTACHLOROPROPANE | R | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | 0.1 | ug/L | |
| 138 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | | |
| 139 PENTACHLOROPROPENE | R | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | 0.1 | ug/L | |
| 139 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | | |
| 140 HEXACHLOROPROPENE | R | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | 0.1 | ug/L | |
| 140 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | | |
| 141 TETRACHLOROBUTANE | R | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | 0.1 | ug/L | |
| 141 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | | |

**AMHERSTBURG WATER TREATMENT PLANT
1985-1986 DWSP DATA**

PAGE 14

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|--------------------------|---|----|---------|--------|--------|--------|--------|--------|-------|--------|-------|--------------------|--|
| | | | MAY 23 | AUG 26 | SEP 23 | OCT 28 | NOV 21 | NOV 25 | DEC 2 | DEC 10 | JAN 7 | | |
| 142 PENTACHLOROBUTADIENE | R | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | 0.1 | |
| 142 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | |
| 143 N-DICHLOROMETHYLENE- | R | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | 0.1 | |
| 143 PENTACHLOROANILINE | T | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | |
| 143 (MS) ug/L | | | | | | | | | | | | | |
| 144 FLUORANTHENE | R | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | 0.1 | |
| 144 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | |
| 145 NAPHTHALENE | R | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | 0.1 | |
| 145 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | |
| 146 METHYL PHENANTHRENE | R | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | 0.1 | |
| 146 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | |
| 147 PYRENE | R | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | 0.1 | |
| 147 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | |
| 148 DIPHENYL ETHER | R | NS | NS | NS | NS | NS | NS | NS | X<T | <W | <W | 0.1 | |
| 148 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | X<T | <W | <W | ug/L | |
| 149 DI-N-BUTYL PHTHALATE | R | NS | NS | NS | NS | NS | NS | NS | <W | 0.6 | 1.3 | 0.1 | |
| 149 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | 0.7 | 1.5 | ug/L | |
| 150 CL BIPHENYL | R | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | 0.1 | |
| 150 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | |
| 151 ATRAZINE | R | NS | NS | NS | NS | NS | NS | NS | X<T | <W | <W | 0.1 | |
| 151 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | |

34000
ug/L e
46
ug/L !

AMHERSTBURG WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 15

| PARAMETERS | | | DATE | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|-----------------------------|------|---|--------|--------|--------|--------|--------|--------|-------|--------|-------|--------------------|--|--------|
| | | | MAY 23 | AUG 26 | SEP 23 | OCT 28 | NOV 21 | NOV 25 | DEC 2 | DEC 10 | JAN 7 | | | JAN 14 |
| 152 BIPHENYL | | R | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | 0.1 | |
| 152 (MS) | ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | |
| 153 ALIPHATIC HYDROCARBONS* | | R | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | 0.1 | |
| 153 (MS) | ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | |
| 154 TRIMETHYL NAPHTHALENE** | | R | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | 0.1 | |
| 154 (MS) | ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | |
| 155 DIMETHYL FLUORENE | | R | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | 0.1 | |
| 155 (MS) | ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | |
| 156 BUTOXY ETHOXYETHANE | | R | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | 0.1 | |
| 156 (MS) | ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | |
| 157 STYRENE | | R | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | 0.1 | |
| 157 (MS) | ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | |

* - Hydrocarbon "envelope" - total concentration is number given - number in brackets is an estimation of the number of compounds in the envelope

** - Number in brackets is number of isomers present

LAB - Chemistry (LAB)

FLD - Chemistry (FIELD)

BAC - Bacteriological

MS - Mass Spec. Ana.

MET - Metal

VOL - Volatiles

PST - PCB/OC Scan. Pesticides

CHA - Chloroaromatics

CHP - Chlorophenols

SPC - Specific Pesticides

TABLE A

AMHERSTBURG WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 1a

| PARAMETERS | | | D A T E | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|----------------|------|---|---------|--------|--------|--------|--------|-------|--------|--|--------------------|--|
| | | | JAN 21 | JAN 28 | FEB 17 | FEB 26 | MAR 19 | APR 7 | APR 21 | | | |
| 1 ALKALINITY | | R | 84.6 | 88.0 | 90.4 | 89.2 | 89.6 | | | | 0.2 | |
| 1 (LAB) | mg/L | T | 63.4 | 77.4 | 77.8 | 74.4 | 59.3 | | | | mg/L | |
| 2 ALUMINUM | | R | 0.098 | 0.073 | 0.160 | 0.130 | 1.500 | 2.300 | 0.740 | | 0.003 | |
| 2 (MET) | mg/L | T | 0.089 | 0.047 | 0.038 | 0.034 | 0.058 | 0.044 | 0.043 | | mg/L | |
| 3 ARSENIC | | R | <W | <W | <W | <W | <W | <W | <W | | 0.001 | 0.05 |
| 3 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | | mg/L | mg/L |
| 4 BARIUM | | R | 0.012 | 0.012 | 0.013 | 0.013 | 0.019 | 0.016 | 0.017 | | 0.001 | 1 |
| 4 (MET) | mg/L | T | 0.013 | 0.012 | 0.013 | 0.012 | 0.013 | 0.014 | 0.014 | | mg/L | mg/L |
| 5 BORON | | R | 0.06 | <W | <W | 0.02 | 0.02 | <W | <W | | 0.02 | 5 |
| 5 (MET) | mg/L | T | <W | <W | <W | 0.02 | <W | <W | <W | | mg/L | mg/L |
| 6 BERYLLIUM | | R | <W | <W | <W | <W | <W | <W | <W | | 0.001 | |
| 6 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | | mg/L | |
| 7 BENZENE | | R | 1 | <W | <W | <W | <W | <W | <W | | 1 | 10 |
| 7 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | <W | | ug/L | ug/L h |
| 8 TOLUENE | | R | <W | <W | <W | <W | <W | <W | <W | | 1 | 100 |
| 8 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | <W | | ug/L | ug/L c |
| 9 ETHYLBENZENE | | R | <W | <W | <W | <W | <W | <W | <W | | 1 | 1400 |
| 9 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | <W | | ug/L | ug/L e |
| 10 P-XYLENE | | R | <W | <W | <W | <W | <W | <W | <W | | 1 | 620 |
| 10 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | <W | | ug/L | ug/L c |
| 11 M-XYLENE | | R | <W | <W | <W | <W | <W | <W | <W | | 1 | 620 |
| 11 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | <W | | ug/L | ug/L c |

**AMHERSTBURG WATER TREATMENT PLANT
1986 DWSP DATA**

PAGE 2a

| PARAMETERS | | | D A T E | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|----------------------|---------|---|---------|--------|--------|--------|--------|-------|--------|--|--|--|--------------------|--|
| | | | JAN 21 | JAN 28 | FEB 17 | FEB 26 | MAR 19 | APR 7 | APR 21 | | | | | |
| 12 O-XYLENE | | R | <W | <W | <W | <W | <W | <W | <W | | | | 1 ug/L | 620 |
| 12 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | <W | | | | | ug/L c |
| 13 CALCIUM | | R | 29.5 | 30.8 | 32.5 | 32.0 | 33.0 | | | | | | 0.1 mg/L | |
| 13 (LAB) | mg/L | T | 31.0 | 30.5 | 34.0 | 32.1 | 28.5 | | | | | | | |
| 14 CYANIDE | | R | <W | <W | <W | <W | <W | <W | <W | | | | 0.001 | 0.2 |
| 14 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | | | | mg/L | mg/L |
| 15 CADMIUM | | R | <W | <W | <W | <W | <W | <W | <W | | | | 0.0003 | 0.005 |
| 15 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | | | | mg/L | mg/L |
| 16 CHLORIDE | | R | 28.0 | 24.8 | 24.6 | 16.0 | 22.5 | | | | | | 0.2 | 250 |
| 16 (LAB) | mg/L | T | 28.8 | 28.2 | 25.0 | 19.2 | 14.6 | | | | | | mg/L | mg/L |
| 17 COLOUR | TCU | R | 13.0 | 6.5 | 9.0 | 8.5 | 18.0 | | | | | | 0.5 | 5. |
| 17 (LAB) | | T | 1.0<T | 0.5<T | <W | <W | 1.5<T | | | | | | TCU | TCU |
| 18 CONDUCTIVITY | | R | 300.00 | 299.00 | 304.00 | 272.00 | 301.00 | | | | | | 0.01 | |
| 18 (LAB) | umho/cm | T | 318.00 | 302.00 | 313.00 | 287.00 | 258.00 | | | | | | UMHO/CM | |
| 19 COBALT | | R | <W | <W | <W | <W | 0.002 | <W | <W | | | | 0.001 | |
| 19 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | | | | mg/L | |
| 20 CHROMIUM | | R | 0.001 | 0.002 | 0.002 | 0.002 | 0.004 | 0.004 | 0.001 | | | | 0.001 | 0.05 |
| 20 (MET) | mg/L | T | 0.001 | 0.001 | 0.002 | 0.001 | 0.002 | 0.001 | <W | | | | mg/L | mg/L |
| 21 COPPER | | R | 0.003 | 0.003 | 0.006 | 0.004 | 0.014 | 1.100 | 0.002 | | | | 0.001 | 1 |
| 21 (MET) | mg/L | T | 0.003 | 0.003 | 0.009 | 0.003 | 0.003 | 0.007 | 0.002 | | | | mg/L | mg/L |
| 22 F. COLIFORM MF | | R | >600 | TN | TN | 108 | >300 | 78 | 700 | | | | 0 | 0/0.1 |
| 22 (BAC) count/100mL | | T | NA | NA | NA | NA | NA | NA | NA | | | | | mL |

**AMHERSTBURG WATER TREATMENT PLANT
1986 DWSP DATA**

PAGE 3a

| PARAMETERS | | | D A T E | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|------------------------------|----------|---|---------|--------|--------|--------|--------|-------|--------|--|--------------------|--|
| | | | JAN 21 | JAN 28 | FEB 17 | FEB 26 | MAR 19 | APR 7 | APR 21 | | | |
| 23 IRON | | R | 0.085 | 0.051 | 0.150 | 0.120 | 1.400 | 0.640 | 0.820 | | 0.002 | 0.3 |
| 23 (MET) | mg/L | T | 0.004 | <W | <W | <W | 0.010 | <W | <W | | mg/L | mg/L |
| 24 FLUORIDE | | R | 0.09 | 0.10 | 0.10 | 0.10 | 0.14 | | | | 0.01 | 2.4 |
| 24 (LAB) | mg/L | T | 1.17 | 1.25 | 1.11 | 0.92 | 1.06 | | | | mg/L | mg/L |
| 25 FIELD CHLORINE (COMBINED) | | R | NA | NA | NA | NA | NA | NA | NA | | | |
| 25 (FLD) | | T | 0.20 | 0.10 | 0.20 | 0.20 | 0.10 | 0.13 | 0.20 | | | |
| 26 FIELD CHLORINE (FREE) | | R | NA | NA | NA | NA | NA | NA | NA | | | |
| 26 (FLD) | | T | 0.60 | 0.80 | 0.70 | 0.60 | 0.90 | 0.87 | 0.80 | | | |
| 27 FIELD CHLORINE (TOTAL) | | R | NA | NA | NA | NA | NA | NA | NA | | | |
| 27 (FLD) | | T | 0.80 | 0.90 | 0.90 | 0.80 | 1.0 | 1.00 | 1.00 | | | |
| 28 FIELD PH | | R | 7.60 | 7.60 | 7.80 | 7.60 | 7.60 | 7.70 | 7.90 | | | |
| 28 (FLD) | | T | 7.10 | 7.20 | 7.20 | 7.00 | 7.00 | 7.00 | 7.10 | | | |
| 29 FIELD TEMPERATURE | | R | 1.0 | 1.0 | 1.0 | 1.0 | 1.5 | 5.0 | 7.0 | | | |
| 29 (FLD) | | T | 2.0 | 2.0 | 2.0 | 2.0 | 30 | 9.5 | 10.0 | | | |
| 30 FIELD TURBIDITY | | R | 4.80 | 4.80 | 5.50 | 4.30 | 34.00 | 16.00 | 15.00 | | | 1 FTU |
| 30 (FLD) | | T | 0.13 | 0.12 | 0.15 | 0.10 | 0.11 | 0.16 | 0.17 | | | |
| 31 HARDNESS | | R | 107.0 | 111.0 | 115.0 | 113.0 | 118.6 | | | | 0.5 | |
| 31 (LAB) | mg/L | T | 111.2 | 108.3 | 120.0 | 114.0 | 102.5 | | | | mg/L | |
| 32 STANDARD PLATE COUNT MF | | R | >2400 | OP | >2400 | AW | AW | 1200 | >2400 | | 0 | 500 orga- |
| 32 (BAC) | count/mL | T | AW | AW | 4 | AW | 4 | 1 | 1 | | | nisms per |
| 33 MERCURY | | R | <W | <W | 0.01 | 0.01 | <W | 0.01 | 0.01 | | 0.01 | 1 |
| 33 (MET) | ug/L | T | <W | <W | 0.01 | <W | <W | <W | <W | | ug/L | ug/L |

**AMHERSTBURG WATER TREATMENT PLANT
1986 DWSP DATA**

PAGE 4a

| PARAMETERS | | | DATE | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|----------------------------|------|---|--------|--------|--------|--------|---------|--------|--------|--|--|--------------------|--|
| | | | JAN 21 | JAN 28 | FEB 17 | FEB 26 | MAR 19 | APR 7 | APR 21 | | | | |
| 34 MAGNESIUM | | R | 8.10 | 8.30 | 8.30 | 8.10 | 8.80 | | | | | 0.05 | |
| 34 (LAB) | mg/L | T | 8.20 | 7.80 | 8.40 | 8.20 | 7.60 | | | | | mg/L | |
| 35 MANGANESE | | R | 0.005 | 0.003 | 0.005 | 0.005 | 0.020 | 0.011 | 0.016 | | | 0.001 | 0.05 |
| 35 (MET) | mg/L | T | 0.003 | 0.002 | 0.002 | 0.002 | 0.004 | 0.002 | 0.001 | | | mg/L | mg/L |
| 36 MOLYBDENUM | | R | <W | <W | <W | <W | <W | <W | <W | | | 0.001 | |
| 36 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | | | mg/L | |
| 37 SODIUM | | R | 17.5 | 16.0 | 15.5 | 10.2 | 12.5 | | | | | 0.1 | |
| 37 (LAB) | mg/L | T | 17.0 | 15.5 | 14.5 | 11.0 | 7.4 | | | | | mg/L | |
| 38 NICKEL | | R | <W | 0.002 | 0.002 | <W | 0.003 | 0.002 | 0.003 | | | 0.002 | |
| 38 (MET) | mg/L | T | <W | <W | 0.003 | <W | <W | <W | <W | | | mg/L | |
| 39 AMMONIUM TOTAL | | R | 0.078 | <W | 0.056 | <W | 0.056 | | | | | 0.05 | |
| 39 (LAB) | mg/L | T | <W | <W | <W | <W | 0.006<T | | | | | mg/L | |
| 40 NITRITE | | R | 0.0080 | 0.0055 | 0.0055 | 0.0055 | 0.0220 | | | | | 0.005 | 1 mg/L |
| 40 (LAB) | mg/L | T | <W | <W | <W | <W | 0.0035 | | | | | mg/L | as N |
| 41 NITRATE | | R | 0.525 | 0.495 | 0.670 | 0.720 | 1.300 | | | | | 0.05 | 10 mg/L |
| 41 (LAB) | mg/L | T | 0.580 | 0.480 | 0.780 | 0.790 | 0.540 | | | | | mg/L | as N |
| 42 NITROGEN TOTAL KJELDAHL | | R | 0.280 | 0.200 | 0.250 | 0.240 | 0.470 | | | | | 0.1 | 0.15 |
| 42 (LAB) | mg/L | T | 0.110 | 0.120 | 0.100 | 0.140 | 0.060<T | | | | | mg/L | mg/L * |
| 43 PRESENCE/ABSENCE | | R | NA | NA | NA | NA | NA | NA | NA | | | 0 | Absent |
| 43 (BAC) | | T | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | | | | |
| 44 LEAD | | R | <W | <W | <W | <W | 0.004 | 0.004 | 0.003 | | | 0.003 | 0.05 |
| 44 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | | | mg/L | mg/L |

AMHERSTBURG WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 5a

| PARAMETERS | | D A T E | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------------------------|---|---------|--------|--------|--------|--------|-------|--------|--|--|--|--------------------|--|
| | | JAN 21 | JAN 28 | FEB 17 | FEB 26 | MAR 19 | APR 7 | APR 21 | | | | | |
| 45 PH | R | 8.02 | 7.79 | 7.95 | 8.12 | 8.15 | | | | | | | |
| 45 (LAB) | T | 6.89 | 7.32 | 7.06 | 7.28 | 7.49 | | | | | | | |
| 46 PHOSPHORUS FILTERED REACTIVE | R | 0.0130 | <W | <W | <W | 0.0230 | | | | | | 0.01 | |
| 46 (LAB) mg/L | T | 0.0110 | 0.0135 | <W | <W | 0.0130 | | | | | | mg/L | |
| 47 PHOSPHORUS TOTAL | R | 0.022 | 0.015 | 0.016 | 0.017 | 0.069 | | | | | | 0.01 | |
| 47 (LAB) mg/L | T | 0.010 | 0.014 | 0.011 | 0.012 | <W | | | | | | mg/L | |
| 48 ALDRIN | R | <W | <W | <W | <W | <W | <W | <W | | | | 1 | 700 |
| 48 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | | | | ng/L | ng/L ** |
| 49 ALPHA BHC | R | 2<T | 2<T | 2<T | 2<T | 3<T | 3<T | <W | | | | 1 | 700 |
| 49 (PST) ng/L | T | 2<T | 2<T | <W | 2<T | 3<T | 2<T | <W | | | | ng/L | ng/L c |
| 50 BETA BHC | R | <W | <W | <W | <W | <W | <W | <W | | | | 1 | 300 |
| 50 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | | | | ng/L | ng/L c |
| 51 LINDANE | R | <W | <W | <W | <W | <W | <W | <W | | | | 1 | 4000 |
| 51 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | | | | ng/L | ng/L |
| 52 ALPHA CHLORDANE | R | <W | <W | <W | <W | <W | <W | <W | | | | 2 | 700 |
| 52 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | | | | ng/L | ng/L *** |
| 53 GAMMA CHLORDANE | R | <W | <W | <W | <W | <W | <W | <W | | | | 2 | 700 |
| 53 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | | | | ng/L | ng/L *** |
| 54 DIELDRIN | R | <W | <W | <W | <W | <W | <W | <W | | | | 2 | 700 |
| 54 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | | | | ng/L | ng/L ** |
| 55 METHOXYCHLOR | R | <W | <W | <W | <W | <W | <W | <W | | | | 5 | 100000 |
| 55 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | | | | ng/L | ng/L |

AMHERSTBURG WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 6a

| PARAMETERS | | | D A T E | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-----------------------|------|---|---------|--------|--------|--------|--------|-------|--------|--|--------------------|--|
| | | | JAN 21 | JAN 28 | FEB 17 | FEB 26 | MAR 19 | APR 7 | APR 21 | | | |
| 56 ENDRIN | | R | <W | <W | <W | <W | <W | <W | <W | | 4 | 200 |
| 56 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | | ng/L | ng/L |
| 57 THIODAN SULPHATE | | R | <W | <W | <W | <W | <W | <W | <W | | 4 | |
| 57 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | | ng/L | |
| 58 THIODAN I | | R | <W | <W | <W | <W | <W | <W | <W | | 2 | 74000 |
| 58 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | | ng/L | ng/L ea |
| 59 THIODAN II | | R | <W | <W | <W | <W | <W | <W | <W | | 4 | 74000 |
| 59 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | | ng/L | ng/L ea |
| 60 METHYLPARATHION | | R | + | + | + | + | + | + | + | | 50 | 7000 |
| 60 (SPC) | | T | + | + | + | + | + | + | + | | ng/L | ng/L |
| 61 PARATHION | | R | + | + | + | + | + | + | + | | 50 | 35000 |
| 61 (SPC) | | T | + | + | + | + | + | + | + | | ng/L | ng/L |
| 62 HEPTACHLOR EPOXIDE | | R | <W | <W | <W | <W | <W | <W | <W | | 1 | 3000 +++ |
| 62 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | | ng/L | ng/L |
| 63 HEPTACHLOR | | R | <W | <W | <W | <W | <W | <W | <W | | 1 | 3000 |
| 63 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | | ng/L | ng/L +++ |
| 64 MIREX | | R | <W | <W | <W | <W | <W | <W | <W | | 5 | |
| 64 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | | ng/L | |
| 65 OXYCHLORDANE | | R | <W | <W | <W | <W | <W | <W | <W | | 2 | |
| 65 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | | ng/L | |
| 66 O,P,-DDT | | R | <W | <W | <W | <W | <W | <W | <W | | 5 | 30000 |
| 66 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | | ng/L | ng/L d |

**AMHERSTBURG WATER TREATMENT PLANT
1986 DWSP DATA**

PAGE 7a

| PARAMETERS | | | D A T E | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------|------|---|---------|--------|--------|--------|--------|-------|--------|--|--|--|--------------------|--|
| | | | JAN 21 | JAN 28 | FEB 17 | FEB 26 | MAR 19 | APR 7 | APR 21 | | | | | |
| 67 PCB | | R | <W | <W | <W | <W | <W | <W | <W | | | | 20 | 3000 |
| 67 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | | | | ng/L | ng/L t |
| 68 P,P-DDD | | R | <W | <W | <W | <W | <W | <W | <W | | | | 5 | d |
| 68 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | | | | ng/L | |
| 69 P,P-DDE | | R | <W | <W | <W | <W | <W | <W | <W | | | | 1 | d |
| 69 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | | | | ng/L | |
| 70 P,P-DDT | | R | <W | <W | <W | <W | <W | <W | <W | | | | 5 | d |
| 70 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | | | | ng/L | |
| 71 AMETRINE | | R | + | + | + | + | + | + | + | | | | 50 | |
| 71 (SPC) | ng/L | T | + | + | + | + | + | + | + | | | | ng/L | |
| 72 ATRAZINE | | R | + | + | + | + | + | + | + | | | | 50 | 46000 |
| 72 (SPC) | ng/L | T | + | + | + | + | + | + | + | | | | ng/L | ng/L ! |
| 73 DIAZINON | | R | + | + | + | + | + | + | + | | | | 50 | 14000 |
| 73 (SPC) | ng/L | T | + | + | + | + | + | + | + | | | | ng/L | ng/L |
| 74 BLADEx | | R | + | + | + | + | + | + | + | | | | 100 | 10000 |
| 74 (SPC) | ng/L | T | + | + | + | + | + | + | + | | | | ng/L | ng/L ! |
| 75 PROMETONE | | R | + | + | + | + | + | + | + | | | | 50 | |
| 75 (SPC) | ng/L | T | + | + | + | + | + | + | + | | | | ng/L | |
| 76 PROPazine | | R | + | + | + | + | + | + | + | | | | 50 | |
| 76 (SPC) | ng/L | T | + | + | + | + | + | + | + | | | | ng/L | |
| 77 PROMETRYNE | | R | + | + | + | + | + | + | + | | | | 50 | 1000 |
| 77 (SPC) | ng/L | T | + | + | + | + | + | + | + | | | | ng/L | ng/L ! |

**AMHERSTBURG WATER TREATMENT PLANT
1986 DWSP DATA**

PAGE 8a

| PARAMETERS | | | D A T E | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-------------------------|------|---|---------|--------|--------|--------|--------|-------|--------|--|--|--|--------------------|--|
| | | | JAN 21 | JAN 28 | FEB 17 | FEB 26 | MAR 19 | APR 7 | APR 21 | | | | | |
| 78 SENCOR | | R | + | + | + | + | + | + | + | | | | 100 | |
| 78 (SPC) | ng/L | T | + | + | + | + | + | + | + | | | | ng/L | |
| 79 SIMAZINE | | R | + | + | + | + | + | + | + | | | | 50 | 10000 |
| 79 (SPC) | ng/L | T | + | + | + | + | + | + | + | | | | ng/L | ng/L ! |
| 80 DICAMBA | | R | + | + | + | + | + | + | + | | | | 100 | 87000 |
| 80 (SPC) | ng/L | T | + | + | + | + | + | + | + | | | | ng/L | ng/L ! |
| 81 PICLORAM | | R | + | + | + | + | + | + | + | | | | 100 | |
| 81 (SPC) | ng/L | T | + | + | + | + | + | + | + | | | | ng/L | |
| 82 SILVEX | | R | + | + | + | + | + | + | + | | | | 50 | 10000 |
| 82 (SPC) | ng/L | T | + | + | + | + | + | + | + | | | | ng/L | ng/L |
| 83 2,4-D | | R | + | + | + | + | + | + | + | | | | 100 | 100000 |
| 83 (SPC) | ng/L | T | + | + | + | + | + | + | + | | | | ng/L | ng/L |
| 84 2,4-D BUTYRIC ACID | | R | + | + | + | + | + | + | + | | | | 200 | 18000 |
| 84 (SPC) | ng/L | T | + | + | + | + | + | + | + | | | | ng/L | ng/L ! |
| 85 2,4-D PROPIONIC ACID | | R | + | + | + | + | + | + | + | | | | 100 | |
| 85 (SPC) | ng/L | T | + | + | + | + | + | + | + | | | | ng/L | |
| 86 2,4,5-T | | R | + | + | + | + | + | + | + | | | | 50 | |
| 86 (SPC) | ng/L | T | + | + | + | + | + | + | + | | | | ng/L | |
| 87 TOTAL SOLIDS | | R | 195 | 194 | 198 | 177 | 209 | | | | | | 1 | |
| 87 (LAB) | mg/L | T | 207 | 196 | 203 | 187 | 168 | | | | | | mg/L | |
| 88 SELENIUM | | R | <W | <W | <W | <W | <W | <W | <W | | | | 0.001 | 0.01 |
| 88 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | | | | mg/L | mg/L |

**AMHERSTBURG WATER TREATMENT PLANT
1986 DWSP DATA**

PAGE 9a

| PARAMETERS | | | D A T E | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------------------------|--|---|----------|--------|--------|--------|----------|-------|---------|--|--------------------|--|
| | | | JAN 21 | JAN 28 | FEB 17 | FEB 26 | MAR 19 | APR 7 | APR 21 | | | |
| 89 STRONTIUM | | R | 0.120 | 0.097 | 0.120 | 0.120 | 0.130 | 0.150 | 0.120 | | 0.001 | |
| 89 (MET) mg/L | | T | 0.130 | 0.100 | 0.120 | 0.110 | 0.110 | 0.130 | 0.110 | | mg/L | |
| 90 TOTAL COLIFORM MF | | R | 13100A3C | 6700 | 7800 | 2000 | 12800A3C | 1800 | 9100A3C | | 0 | ODWO |
| 90 (BAC) count/100mL | | T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | Bacti |
| 91 TOTAL COLIFORM BACKGROUND MF | | R | 240000 | 20000 | 14000 | 17500 | 49000 | 6400 | 32000 | | 0 | OWDO |
| 91 (BAC) count/100mL | | T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | Bacti |
| 92 TURBIDITY | | R | 6.00 | 2.90 | 5.30 | 4.20 | 39.00 | | | | 0.01 | 1 |
| 92 (LAB) FTU | | T | 0.16<T | 0.08<T | 0.08<T | 0.11<T | 0.49<T | | | | FTU | FTU |
| 93 URANIUM | | R | <W | <W | <W | <W | <W | <W | <W | | 0.002 | .02 |
| 93 (MET) mg/L | | T | <W | <W | <W | <W | SM | <W | <W | | mg/L | mg/L t |
| 94 VANADIUM | | R | <W | <W | <W | <W | 0.004 | 0.002 | 0.001 | | 0.001 | |
| 94 (MET) mg/L | | T | <W | <W | <W | 0.002 | <W | <W | <W | | mg/L | |
| 95 HEXACHLOROBUTADIENE | | R | <W | <W | <W | <W | <W | <W | <W | | 1 | 4500 |
| 95 (CHA) ng/L | | T | <W | <W | <W | <W | <W | <W | <W | | ng/L | ng/L e |
| 96 1,1-DICHLOROETHYLENE | | R | <W | <W | <W | <W | <W | <W | <W | | 1 | .3 |
| 96 (VOL) ug/L | | T | <W | <W | <W | <W | <W | <W | <W | | ug/L | ug/L h |
| 97 T,1,2-DICHLOROETHYLENE | | R | <W | <W | <W | <W | <W | <W | <W | | 1 | |
| 97 (VOL) ug/L | | T | <W | <W | <W | <W | <W | <W | <W | | ug/L | |
| 98 1,1-DICHLOROETHANE | | R | <W | <W | <W | <W | <W | <W | <W | | 1 | |
| 98 (VOL) ug/L | | T | <W | <W | <W | <W | <W | <W | <W | | ug/L | |
| 99 CHLOROFORM | | R | <W | <W | <W | <W | <W | <W | <W | | 1 | 350 |
| 99 (VOL) ug/L | | T | 26 | 25 | 16 | 17 | 16 | 31 | 15 | | ug/L | ug/L ++ |

**AMHERSTBURG WATER TREATMENT PLANT
1986 DWSP DATA**

PAGE 10a

| PARAMETERS | | | DATE | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------------------|---|----|--------|--------|--------|--------|--------|-------|--------|--|--------------------|--|
| | | | JAN 21 | JAN 28 | FEB 17 | FEB 26 | MAR 19 | APR 7 | APR 21 | | | |
| 100 DICHLOROMETHANE | R | <W | <W | <W | <W | <W | CS | CS | CS | | 5 | 40 |
| 100 (VOL) ug/L | T | CS | <W | <W | <W | <W | <W | <W | <W | | ug/L | ug/L c |
| 101 1,1,1-TRICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | | 1 | 1000 |
| 101 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | | ug/L | ug/L c |
| 102 1,2-DICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | | 1 | 10 |
| 102 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | | ug/L | ug/L h |
| 103 CARBON TETRACHLORIDE | R | <W | <W | <W | <W | <W | <W | <W | <W | | 1 | 3 |
| 103 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | | ug/L | ug/L h |
| 104 1,2 DICHLOROPROPANE | R | <W | <W | <W | <W | <W | <W | <W | <W | | 1 | |
| 104 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | | ug/L | |
| 105 TRICHLOROETHYLENE | R | <W | <W | <W | <W | <W | <W | <W | <W | | 1 | 30 |
| 105 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | | ug/L | ug/L h |
| 106 DICHLOROBROMOMETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | | 1 | 350 |
| 106 (VOL) ug/L | T | 9 | 14 | 9 | 10 | 8 | 10 | 8 | | | ug/L | ug/L ++ |
| 107 1,1,2-TRICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | | 1 | 6 |
| 107 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | | ug/L | ug/L e |
| 108 CHLORODIBROMOMETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | | 1 | 350 |
| 108 (VOL) ug/L | T | 12 | 13 | 9 | 7 | 10 | 8 | 9 | | | ug/L | ug/L ++ |
| 109 TETRACHLOROETHYLENE | R | <W | <W | <W | <W | <W | <W | <W | <W | | 1 | 10 |
| 109 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | | ug/L | ug/L h |
| 110 BROMOFORM | R | <W | <W | <W | <W | <W | <W | <W | <W | | 1 | 350 |
| 110 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | | ug/L | ug/L ++ |

**AMHERSTBURG WATER TREATMENT PLANT
1986 DWSP DATA**

PAGE 11a

| PARAMETERS | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-------------------------------|---|---------|--------|--------|--------|--------|-------|--------|--|--|--------------------|--|
| | | JAN 21 | JAN 28 | FEB 17 | FEB 26 | MAR 19 | APR 7 | APR 21 | | | | |
| 111 1,1,2,2-TETRACHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | | | 1 | 1.7 |
| 111 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | | | ug/L | ug/L e |
| 112 HEXACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | | | 1 | 10 |
| 112 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | | | ng/L | ng/L h |
| 113 HEXACHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | | | 1 | 19000 |
| 113 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | | | ng/L | ng/L e |
| 114 OCTACHLOROSTYRENE | R | <W | <W | <W | <W | <W | <W | <W | | | 1 | |
| 114 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | | | ng/L | |
| 115 PENTACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | | | 1 | 74000 |
| 115 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | | | ng/L | ng/L e |
| 116 TOTAL TRIHALOMETHANES | R | <W | <W | <W | <W | <W | <W | <W | | | 3 | 350 |
| 116 (VOL) ug/L | T | 47 | 52 | 34 | 34 | 34 | 49 | 32 | | | ug/L | ug/L ++ |
| 117 2,3,6-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | | | 5 | |
| 117 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | | | ng/L | |
| 118 2,4,5-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | | | 5 | 10000 |
| 118 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | | | ng/L | ng/L g |
| 119 2,6,A-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | | | 5 | |
| 119 (CHA) mg/L | T | <W | <W | <W | <W | <W | <W | <W | | | ng/L | |
| 120 CHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | | | 1 | 100-300 |
| 120 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | | | ng/L | ng/L h* |
| 121 1,4-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | | | 1 | 400 |
| 121 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | | | ug/L | ug/L e |

AMHERSTBURG WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 12a

| PARAMETERS | | | DATE | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | | |
|------------|----------------------------|---|--------|--------|--------|--------|--------|-------|--------|--|--------------------|--|-------|---|
| | | | JAN 21 | JAN 28 | FEB 17 | FEB 26 | MAR 19 | APR 7 | APR 21 | | | | | |
| 122 | 1,3-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | | | | 1 | 400 | |
| 122 | (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | | | | ug/L | ug/L | e |
| 123 | 1,2-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | | | | 1 | 400 | |
| 123 | (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | | | | ug/L | ug/L | e |
| 124 | TRIFLUOROCHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | | | | 1 | | |
| 124 | (CHA) ug/L | T | <W | <W | <W | <W | <W | <W | | | | ug/L | | |
| 125 | 1,2,3-TRICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | | | | 5 | 10000 | |
| 125 | (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | | | | ng/L | ng/L | y |
| 126 | 1,2,3,4-TETRACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | | | | 1 | | |
| 126 | (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | | | | ng/L | | |
| 127 | 1,2,3,5-TETRACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | | | | 1 | | |
| 127 | (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | | | | ng/L | | |
| 128 | 1,2,4-TRICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | | | | 5 | 15000 | |
| 128 | (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | | | | ng/L | ng/L | y |
| 129 | 1,2,4,5-TETRACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | | | | 1 | 38000 | |
| 129 | (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | | | | ng/L | ng/L | e |
| 130 | 1,3,5-TRICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | | | | 5 | 10000 | |
| 130 | (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | | | | ng/L | ng/L | y |
| 131 | PENTACHLOROPHENOL | R | + | + | + | + | + | + | | | | 50 | 10000 | |
| 131 | (CHP) ng/L | T | + | + | + | + | + | + | | | | ng/L | ng/L | h |
| 132 | 2,3,4-TRICHLOROPHENOL | R | + | + | + | + | + | + | | | | 100 | | |
| 132 | (CHP) ng/L | T | + | + | + | + | + | + | | | | ng/L | | |

AMHERSTBURG WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 13a

[illegible]

AMHERSTBURG WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 14a

[illegible]

**AMHERSTBURG WATER TREATMENT PLANT
1986 DWSP DATA**

PAGE 15a

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-------------------------|---|----|---------|--------|--------|--------|--------|-------|--------|--|--|--------------------|--|
| | | | JAN 21 | JAN 28 | FEB 17 | FEB 26 | MAR 19 | APR 7 | APR 21 | | | | |
| 155 DIMETHYL FLUORENE | R | <W | <W | | | | | | | | | 0.1 | |
| 155 (MS) ug/L | T | <W | <W | | | | | | | | | ug/L | |
| 156 BUTOXY ETHOXYETHANE | R | <W | <W | | | | | | | | | 0.1 | |
| 156 (MS) ug/L | T | <W | <W | | | | | | | | | ug/L | |
| 157 STYRENE | R | <W | <W | | | | | | | | | 0.1 | |
| 157 (MS) ug/L | T | <W | <W | | | | | | | | | ug/L | |

* - Hydrocarbon "envelope" - total concentration is number given - number in brackets is an estimation of the number of compounds in the envelope

** - Number in brackets is number of isomers present

LAB - Chemistry (LAB)

FLD - Chemistry (FIELD)

BAC - Bacteriological

MS - Mass Spec. Ana.

MET - Metal

VOL - Volatiles

PST - PCB/OC Scan. Pesticides

CHA - Chloroaromatics

CHP - Chlorophenols

SPC - Specific Pesticides

TABLE A

MITCHELL'S BAY WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 1

[illegible]

PAGE 2

[illegible]

MITCHELL'S BAY WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 3

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|------------------------------|----------|---|---------|--------|--------|--------|--------|--------|--------|-------|-------|--------------------|--|------------------------------|
| | | | MAY 23 | JUN 18 | JUL 22 | AUG 26 | SEP 23 | OCT 28 | NOV 25 | DEC 9 | JAN 6 | | | JAN 20 |
| 23 IRON | | R | 0.320 | 0.066 | 0.089 | 0.044 | 0.220 | 0.050 | 3.000 | 1.900 | 0.310 | 0.260 | 0.002 mg/L | 0.3 mg/L |
| 23 (MET) | mg/L | T | 0.020<T | 0.022 | 0.033 | 0.021 | 0.023 | 0.041 | 0.072 | 0.130 | 0.048 | 0.036 | | |
| 24 FLUORIDE | | R | 0.13 | 0.17 | 0.11 | 0.10 | 0.16 | 0.14 | 0.19 | 0.17 | 0.16 | 0.12 | 0.01 mg/L | 2.4 mg/L |
| 24 (LAB) | mg/L | T | 0.07 | 0.07 | 0.09 | 0.07 | 0.10 | 0.07 | 0.08 | 0.07 | 0.08 | 0.06 | | |
| 25 FIELD CHLORINE (COMBINED) | | R | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 25 (FLD) | mg/L | T | 0.20 | 0.10 | 0.20 | 0.80 | 1.00 | NS | 0.25 | NS | >0.10 | NS | | |
| 26 FIELD CHLORINE (FREE) | | R | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 26 (FLD) | mg/L | T | 0.80 | 1.10 | 0.80 | 0.80 | 1.00 | 0.80 | 0.6 | 1.00 | 0.90 | >1.00 | | |
| 27 FIELD CHLORINE (TOTAL) | | R | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 27 (FLD) | mg/L | T | 1.0 | 1.20 | 1.0 | NS | NS | NS | 0.85 | >1.00 | >1.00 | >1.00 | | |
| 28 FIELD PH | | R | NS | NS | NS | NS | NS | NS | 8.30 | 8.00 | 7.50 | 7.50 | | |
| 28 (FLD) | | T | NS | NS | NS | NS | NS | NS | 7.20 | 6.90 | 7.00 | 7.00 | | |
| 29 FIELD TEMPERATURE | | R | 14.0 | 19.0 | 23.0 | 21.0 | 20.0 | 15.0 | 6.0 | 7.5 | 6.0 | 7.0 | | |
| 29 (FLD) | °C | T | 16.0 | 21.0 | 24.0 | 23.0 | 21.0 | 12.0 | 13.5 | 10.0 | 9.5 | 11.0 | | |
| 30 FIELD TURBIDITY | | R | 5.70 | 1.50 | 2.00 | 1.20 | 1.00 | 3.50 | 61.0 | 66.00 | 7.50 | 6.10 | | 1 FTU |
| 30 (FLD) | FTU | T | 0.25 | 0.15 | 0.27 | 0.25 | 0.27 | 0.21 | 0.31 | 0.34 | 0.44 | 0.40 | | |
| 31 HARDNESS | | R | 117.0 | 125.0 | 86.9 | 82.1 | 147.3 | 166.0 | 266.0 | 224.0 | 224.0 | 202.1 | 0.5 mg/L | |
| 31 (LAB) | mg/L | T | 133.0 | 150.0 | 96.1 | 86.6 | 167.2 | 164.0 | 266.0 | 231.0 | 229.0 | 205.4 | | |
| 32 STANDARD PLATE COUNT MF | | R | 1 | >2400 | >2400 | 900 | 900 | 260 | 900. | 1200 | 250 | 200 | 0 | 500 orga- nisms per mL |
| 32 (BAC) | count/mL | T | 11 | 0 | 7 | 1 | 0 | 172 | 0 | AW | 1 | AW | | |
| 33 MERCURY | | R | 0.01 | <W | 0.01 | <W | 0.01 | 0.01 | 0.02 | 0.02 | 0.01 | <W | 0.01 ug/L | 1 ug/L |
| 33 (MET) | ug/L | T | <W | <W | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | <W | <W | <W | | |

**MITCHELL'S BAY WATER TREATMENT PLANT
1985-1986 DWSP DATA**

PAGE 4

| PARAMETERS | | | DATE | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|----------------------------|------|---|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------------------|--|-----------------|
| | | | MAY 23 | JUN 18 | JUL 22 | AUG 26 | SEP 23 | OCT 28 | NOV 25 | DEC 9 | JAN 6 | | | JAN 20 |
| 34 MAGNESIUM | | R | 8.30 | 9.70 | 8.50 | 7.50 | 11.40 | 11.50 | 16.90 | 14.50 | 15.00 | 13.30 | 0.05 | |
| 34 (LAB) | mg/L | T | 9.20 | 9.40 | 9.10 | 7.70 | 12.10 | 11.10 | 16.80 | 14.90 | 14.90 | 13.50 | mg/L | |
| 35 MANGANESE | | R | 0.015<T | 0.017 | 0.010 | 0.004 | 0.009 | 0.004 | 0.030 | 0.025 | 0.046 | 0.055 | 0.001 | 0.05 mg/L |
| 35 (MET) | mg/L | T | 0.005<T | 0.006 | 0.009 | 0.003 | 0.006 | 0.004 | 0.009 | 0.013 | 0.036 | 0.030 | mg/L | |
| 36 MOLYBDENUM | | R | <W | 0.001 | 0.003 | 0.002 | 0.002 | 0.002 | 0.004 | 0.001 | 0.001 | <W | 0.001 | |
| 36 (MET) | mg/L | T | 0.001 | 0.001 | 0.002 | 0.001 | 0.002 | 0.002 | 0.003 | 0.001 | <W | <W | mg/L | |
| 37 SODIUM | | R | 6.8 | 7.0 | 6.8 | 5.5 | 8.2 | 8.2 | 8.4 | 9.3 | 8.7 | 8.0 | 0.1 | |
| 37 (LAB) | mg/L | T | 7.0 | 7.0 | 7.2 | 5.8 | 8.8 | 8.2 | 8.5 | 8.5 | 9.0 | 10.0 | mg/L | |
| 38 NICKEL | | R | <W | <W | <W | <W | 0.002 | 0.002 | 0.004 | 0.004 | 0.002 | 0.002 | 0.002 | |
| 38 (MET) | mg/L | T | <W | <W | <W | <W | 0.002 | <W | <W | 0.001 | 0.002 | <W | mg/L | |
| 39 AMMONIUM TOTAL | | R | <W | <W | <W | <W | <W | <W | 0.05<T | 0.05<T | 0.158 | 0.138 | 0.05 | |
| 39 (LAB) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | |
| 40 NITRITE | | R | .025<T | 0.150 | .025<T | 0.01<T | 0.03<T | 0.04<T | 0.075 | 0.055 | 0.097 | 0.0435 | 0.005 | 1 mg/L as N |
| 40 (LAB) | mg/L | T | <W | <W | <W | 0.01<T | <W | <W | <W | <W | <W | <W | mg/L | |
| 41 NITRATE | | R | NS | NS | NS | NS | 1.35 | NS | 5.50 | 3.95 | 2.06 | 1.08 | 0.05 | 10 mg/L as N |
| 41 (LAB) | mg/L | T | NS | NS | NS | NS | 1.75 | NS | 5.50 | 3.65 | 2.13 | 1.46 | mg/L | |
| 42 NITROGEN TOTAL KJELDAHL | | R | 0.20<T | 0.4<T | 0.4<T | 0.5<T | 0.6<T | 0.4<T | 1.0 | 0.90 | 0.640 | 0.490 | 0.1 | 0.15 mg/L * |
| 42 (LAB) | mg/L | T | 0.60<T | 0.3<T | 0.2<T | 0.6<T | 0.2<T | 0.2<T | 0.5<T | 0.40<T | 0.230 | 0.180 | mg/L | |
| 43 PRESENCE/ABSENCE | | R | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0 | Absent |
| 43 (BAC) | | T | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | NS | ABSENT | ABSENT | ABSENT | ABSENT | | |
| 44 LEAD | | R | <W | 0.003 | <W | <W | <W | <W | 0.004 | 0.005 | <W | <W | 0.003 | 0.05 mg/L |
| 44 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | |

MITCHELL'S BAY WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 5

| PARAMETERS | | DATE | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------------------|--|
| | | MAY 23 | JUN 18 | JUL 22 | AUG 26 | SEP 23 | OCT 28 | NOV 25 | DEC 9 | JAN 6 | JAN 20 | | |
| 45 PH | R | 8.06 | 7.76 | 8.86 | 8.51 | 8.42 | 8.20 | 8.14 | 8.09 | 7.47 | 7.39 | | |
| 45 (LAB) | T | 7.19 | 7.41 | 7.32 | 7.60 | 7.19 | 7.32 | 7.53 | 6.75 | 7.17 | 7.03 | | |
| 46 PHOSPHORUS FILTERED REACTIVE | R | 0.02<T | 0.01<T | <W | <W | <W | <W | <W | <W | <W | <W | 0.01 | |
| 46 (LAB) mg/L | T | <W | 0.01<T | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | |
| 47 PHOSPHORUS TOTAL | R | <W | 0.04<T | 0.02<T | 0.02<T | 0.02<T | <W | 0.10<T | 0.10<T | 0.022 | 0.034 | 0.01 | |
| 47 (LAB) mg/L | T | 0.06<T | 0.02<T | 0.01<T | 0.03<T | <W | <W | 0.02<T | <W | <W | <W | mg/L | |
| 48 ALDRIN | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 700 |
| 48 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | SM | <W | ng/L | ng/L ** |
| 49 ALPHA BHC | R | <W | <W | <2T | <W | 2<T | 2<T | 2<T | 2<T | <W | 2<T | 1 | 700 |
| 49 (PST) ng/L | T | <W | 2<T | <3T | <W | 4<T | 2<T | 3<T | 1<T | SM | <W | ng/L | ng/L c |
| 50 BETA BHC | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 300 |
| 50 (PST) ng/L | T | <W | 1<T | <W | <W | <W | <W | <W | <W | SM | <W | ng/L | ng/L c |
| 51 LINDANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 4000 |
| 51 (PST) ng/L | T | <W | 1<T | <W | <W | 3<T | 2<T | <W | <W | SM | <W | ng/L | ng/L |
| 52 ALPHA CHLORDANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 2 | 700 |
| 52 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | SM | <W | ng/L | ng/L *** |
| 53 GAMMA CHLORDANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 2 | 700 |
| 53 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | SM | <W | ng/L | ng/L *** |
| 54 DIELDRIN | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 2 | 700 |
| 54 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | SM | <W | ng/L | ng/L ** |
| 55 METHOXYCHLOR | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 5 | 100000 |
| 55 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | SM | <W | ng/L | ng/L |

MITCHELL'S BAY WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 6

| PARAMETERS | | | DATE | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-----------------------|------|---|--------|--------|--------|--------|--------|--------|--------|-------|-------|--------|--------------------|--|
| | | | MAY 23 | JUN 18 | JUL 22 | AUG 26 | SEP 23 | OCT 28 | NOV 25 | DEC 9 | JAN 6 | JAN 20 | | |
| 56 ENDRIN | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 4 | 200 |
| 56 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | SM | <W | ng/L | ng/L |
| 57 THIODAN SULPHATE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 4 | |
| 57 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | SM | <W | ng/L | |
| 58 THIODAN I | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 2 | 74000 |
| 58 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | SM | <W | ng/L | ng/L ea |
| 59 THIODAN II | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 4 | 74000 |
| 59 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | SM | <W | ng/L | ng/L ea |
| 60 METHYLPARATHION | | R | + | <W | + | + | + | + | + | + | + | + | 50 | 7000 |
| 60 (SPC) | | T | + | <W | + | + | + | + | + | + | + | + | ng/L | ng/L |
| 61 PARATHION | | R | + | <W | + | + | + | + | + | + | + | + | 50 | 35000 |
| 61 (SPC) | | T | + | <W | + | + | + | + | + | + | + | + | ng/L | ng/L |
| 62 HEPTACHLOR EPOXIDE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 3000 +++ |
| 62 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | SM | <W | ng/L | ng/L |
| 63 HEPTACHLOR | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 3000 |
| 63 (PST) | ng/L | T | <W | <W | <W | <W | 3<T | <W | <W | 1<T | SM | <W | ng/L | ng/L +++ |
| 64 MIREX | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 5 | |
| 64 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | SM | <W | ng/L | |
| 65 OXYCHLORDANE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 2 | |
| 65 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | SM | <W | ng/L | |
| 66 O, P, -DDT | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 5 | 30000 |
| 66 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | SM | <W | ng/L | ng/L d |

MITCHELL'S BAY WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 7

| PARAMETERS | | | D A T E | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------|------|---|---------|--------|--------|--------|--------|--------|--------|-------|-------|--------|--------------------|--|
| | | | MAY 23 | JUN 18 | JUL 22 | AUG 26 | SEP 23 | OCT 28 | NOV 25 | DEC 9 | JAN 6 | JAN 20 | | |
| 67 PCB | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 20 | 3000 |
| 67 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | SM | <W | ng/L | ng/L t |
| 68 P,P-DDD | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 5 | d |
| 68 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | SM | <W | ng/L | |
| 69 P,P-DDE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | d |
| 69 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | SM | <W | ng/L | |
| 70 P,P-DDT | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 5 | d |
| 70 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | SM | <W | ng/L | |
| 71 AMETRINE | | R | + | + | + | + | + | <W | + | + | + | + | 50 | |
| 71 (SPC) | ng/L | T | + | + | + | + | + | <W | + | + | + | + | ng/L | |
| 72 ATRAZINE | | R | + | + | + | + | + | <W | + | + | + | + | 50 | 46000 |
| 72 (SPC) | ng/L | T | + | + | + | + | + | <W | + | + | + | + | ng/L | ng/L ! |
| 73 DIAZINON | | R | + | <W | + | + | + | NS | + | + | + | + | 50 | 14000 |
| 73 (SPC) | ng/L | T | + | <W | + | + | + | NS | + | + | + | + | ng/L | ng/L |
| 74 BLADEX | | R | + | + | + | + | + | <W | + | + | + | + | 100 | 10000 |
| 74 (SPC) | ng/L | T | + | + | + | + | + | <W | + | + | + | + | ng/L | ng/L ! |
| 75 PROMETONE | | R | + | + | + | + | + | <W | + | + | + | + | 50 | |
| 75 (SPC) | ng/L | T | + | + | + | + | + | <W | + | + | + | + | ng/L | |
| 76 PROPAZINE | | R | + | + | + | + | + | <W | + | + | + | + | 50 | |
| 76 (SPC) | ng/L | T | + | + | + | + | + | <W | + | + | + | + | ng/L | |
| 77 PROMETRYNE | | R | + | + | + | + | + | <W | + | + | + | + | 50 | 1000 |
| 77 (SPC) | ng/L | T | + | + | + | + | + | <W | + | + | + | + | ng/L | ng/L ! |

PAGE 8

[illegible]

PAGE 9

[illegible]

MITCHELL'S BAY WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 10

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------------------|---|----|---------|--------|--------|--------|--------|--------|--------|-------|-------|--------------------|--|
| | | | MAY 23 | JUN 18 | JUL 22 | AUG 26 | SEP 23 | OCT 28 | NOV 25 | DEC 9 | JAN 6 | JAN 20 | |
| 99 CHLOROFORM | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 350 |
| 99 (VOL) ug/L | T | 29 | 43 | 32 | 31 | 55 | 44 | 51 | 29 | 37 | 26 | ug/L | ug/L ++ |
| 100 DICHLOROMETHANE | R | <W | <W | <W | <W | <W | <W | CS | <W | <W | <W | 5 | 40 |
| 100 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | CS | <W | <W | CS | ug/L | ug/L c |
| 101 1,1,1-TRICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 1000 |
| 101 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L c |
| 102 1,2-DICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 10 |
| 102 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L h |
| 103 CARBON TETRACHLORIDE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 3 |
| 103 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L h |
| 104 1,2 DICHLOROPROPANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | |
| 104 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | |
| 105 TRICHLOROETHYLENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 30 |
| 105 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L h |
| 106 DICHLOROBROMOMETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 350 |
| 106 (VOL) ug/L | T | 16 | 17 | 14 | 10 | 25 | 16 | 18 | 14 | 18 | 11 | ug/L | ug/L ++ |
| 107 1,1,2-TRICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 6 |
| 107 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L e |
| 108 CHLORODIBROMOMETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 350 |
| 108 (VOL) ug/L | T | 6 | 5 | 13 | 9 | 20 | 10 | 10 | 11 | 15 | 19 | ug/L | ug/L ++ |

MITCHELL'S BAY WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 11

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-------------------------------|---|----|---------|--------|--------|--------|--------|--------|--------|-------|-------|--------------------|--|
| | | | MAY 23 | JUN 18 | JUL 22 | AUG 26 | SEP 23 | OCT 28 | NOV 25 | DEC 9 | JAN 6 | JAN 20 | |
| 109 TETRACHLOROETHYLENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 10 |
| 109 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L h |
| 110 BROMOFORM | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 350 |
| 110 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L ++ |
| 111 1,1,2,2-TETRACHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1.7 |
| 111 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L e |
| 112 HEXACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 10 |
| 112 (PST) ng/L | T | <W | 1<T | <W | <W | <W | <W | <W | <W | SM | <W | <W | ng/L h |
| 113 HEXACHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 19000 |
| 113 (CHA) ng/L | T | <W | 5<T | <W | <W | <W | <W | <W | <W | SM | <W | <W | ng/L e |
| 114 OCTACHLOROSTYRENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 |
| 114 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | SM | <W | <W | ng/L |
| 115 PENTACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 74000 |
| 115 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | SM | <W | <W | ng/L e |
| 116 TOTAL TRIHALOMETHANES | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 350 |
| 116 (VOL) ug/L | T | 51 | 65 | 59 | 50 | 100 | 70 | 79 | 54 | 70 | 56 | 56 | ug/L ++ |
| 117 2,3,6-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 5 |
| 117 (CHA) ng/L | T | <W | <W | <W | <W | <W | 21<T | <W | <W | SM | <W | <W | ng/L |
| 118 2,4,5-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 10000 |
| 118 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | SM | <W | <W | ng/L g |
| 119 2,6,A-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 5 |
| 119 (CHA) mg/L | T | <W | <W | <W | <W | <W | <W | 5<T | <W | SM | <W | <W | ng/L |

MITCHELL'S BAY WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 12

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|--------------------------------|---|----|---------|--------|--------|--------|--------|--------|--------|-------|-------|--------------------|--|
| | | | MAY 23 | JUN 18 | JUL 22 | AUG 26 | SEP 23 | OCT 28 | NOV 25 | DEC 9 | JAN 6 | JAN 20 | |
| 120 CHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 100-300 |
| 120 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L h* |
| 121 1,4-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 400 |
| 121 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L e |
| 122 1,3-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 400 |
| 122 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L e |
| 123 1,2-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 400 |
| 123 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L e |
| 124 TRIFLUOROCHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 |
| 124 (CHA) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L |
| 125 1,2,3-TRICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 5 |
| 125 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | SM | <W | ng/L 10000 y |
| 126 1,2,3,4-TETRACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 |
| 126 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | SM | <W | ng/L |
| 127 1,2,3,5-TETRACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 |
| 127 (CHA) ng/L | T | <W | 9<T | <W | <W | <W | <W | <W | <W | <W | SM | <W | ng/L |
| 128 1,2,4-TRICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 5 |
| 128 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | SM | <W | ng/L 15000 y |
| 129 1,2,4,5-TETRACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 |
| 129 (CHA) ng/L | T | <W | 6<T | <W | 25 | <W | <W | <W | <W | <W | SM | <W | ng/L 38000 e |
| 130 1,3,5-TRICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 5 |
| 130 (CHA) ng/L | T | <W | <W | <W | 12<T | <W | <W | <W | <W | 9<T | SM | <W | ng/L 10000 y |

MITCHELL'S BAY WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 13

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-------------------------------|---|-------|---------|--------|--------|--------|--------|--------|--------|-------|-------|--------------------|--|
| | | | MAY 23 | JUN 18 | JUL 22 | AUG 26 | SEP 23 | OCT 28 | NOV 25 | DEC 9 | JAN 6 | | |
| 131 PENTACHLOROPHENOL | R | + | <W | + | + | + | <W | + | + | + | + | 50 | 10000 ng/L |
| 131 (CHP) ng/L | T | + | <W | + | + | + | <W | + | + | + | + | ng/L | |
| 132 2,3,4-TRICHLOROPHENOL | R | + | <W | + | + | + | <W | + | + | + | + | 100 | ng/L |
| 132 (CHP) ng/L | T | + | <W | + | + | + | <W | + | + | + | + | ng/L | |
| 133 2,3,4,5-TETRACHLOROPHENOL | R | + | <W | + | + | + | <W | + | + | + | + | 50 | ng/L |
| 133 (CHP) ng/L | T | + | <W | + | + | + | <W | + | + | + | + | ng/L | |
| 134 2,3,5,6-TETRACHLOROPHENOL | R | + | <W | + | + | + | <W | + | + | + | + | 50 | ng/L |
| 134 (CHP) ng/L | T | + | <W | + | + | + | <W | + | + | + | + | ng/L | |
| 135 2,4,5-TRICHLOROPHENOL | R | + | <W | + | + | + | <W | + | + | + | + | 50 | ng/L |
| 135 (CHP) ng/L | T | + | <W | + | + | + | <W | + | + | + | + | ng/L | |
| 136 2,4,6-TRICHLOROPHENOL | R | + | <W | + | + | + | <W | + | + | + | + | 50 | 10000 ng/L |
| 136 (CHP) ng/L | T | + | <W | + | + | + | <W | + | + | + | + | ng/L | |
| 137 ZINC | R | 0.007 | 0.004 | 0.003 | 0.007 | 0.005 | 0.013 | 0.016 | 0.016 | 0.012 | 0.011 | 0.001 | 5 mg/L |
| 137 (MET) mg/L | T | 0.006 | 0.011 | 0.006 | 0.006 | 0.010 | 0.009 | 0.009 | 0.011 | 0.012 | 0.016 | mg/L | |
| 138 PENTACHLOROPROPANE | R | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | 0.1 | ug/L |
| 138 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | |
| 139 PENTACHLOROPROPENE | R | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | 0.1 | ug/L |
| 139 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | |
| 140 HEXACHLOROPROPENE | R | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | 0.1 | ug/L |
| 140 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | |
| 141 TETRACHLOROBUTANE | R | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | 0.1 | ug/L |
| 141 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | |

MITCHELL'S BAY WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 14

| PARAMETERS | | | DATE | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|--------------------------|---|----|--------|--------|--------|--------|--------|--------|--------|-------|-------|--------------------|--|
| | | | MAY 23 | JUN 18 | JUL 22 | AUG 26 | SEP 23 | OCT 28 | NOV 25 | DEC 9 | JAN 6 | | |
| 142 PENTACHLOROBUTADIENE | R | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | 0.1 | |
| 142 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | |
| 143 N-DICHLOROMETHYLENE- | R | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | 0.1 | |
| 143 PENTACHLOROANALINE | T | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | |
| 143 (MS) ug/L | | | | | | | | | | | | | |
| 144 FLUORANTHENE | R | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | 0.1 | |
| 144 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | |
| 145 NAPHTHALENE | R | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | 0.1 | |
| 145 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | |
| 146 METHYL PHENANTHRENE | R | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | 0.1 | |
| 146 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | |
| 147 PYRENE | R | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | 0.1 | |
| 147 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | |
| 148 DIPHENYL ETHER | R | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | 0.1 | |
| 148 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | |
| 149 DI-N-BUTYL PHTHALATE | R | NS | NS | NS | NS | NS | NS | NS | <W | 0.5 | 1.6 | 0.1 | |
| 149 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | 0.5 | 1.0 | ug/L | |
| 150 CL BIPHENYL | R | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | 0.1 | |
| 150 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | |
| 151 ATRAZINE | R | NS | NS | NS | NS | NS | NS | NS | X<T | 0.3 | <W | 0.1 | |
| 151 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | X<T | 0.2 | <W | ug/L | |

MITCHELL'S BAY WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 15

| PARAMETERS | | | D A T E | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-----------------------------|---|----|---------|--------|--------|--------|--------|--------|--------|-------|-------|--------|--------------------|--|
| | | | MAY 23 | JUN 18 | JUL 22 | AUG 26 | SEP 23 | OCT 28 | NOV 25 | DEC 9 | JAN 6 | JAN 20 | | |
| 152 BIPHENYL | R | NS | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | 0.1 | |
| 152 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | |
| 153 ALIPHATIC HYDROCARBONS* | R | NS | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | 0.1 | |
| 153 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | |
| 154 TRIMETHYL NAPHTHALENE** | R | NS | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | 0.1 | |
| 154 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | |
| 155 DIMETHYL FLUORENE | R | NS | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | 0.1 | |
| 155 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | |
| 156 BUTOXY ETHOXYETHANE | R | NS | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | 0.1 | |
| 156 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | |
| 157 STYRENE | R | NS | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | 0.1 | |
| 157 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | <W | <W | <W | ug/L | |

* - Hydrocarbon "envelope" - total concentration is number given - number in brackets is an estimation of the number of compounds in the envelope

** - Number in brackets is number of isomers present

LAB - Chemistry (LAB)

FLD - Chemistry (FIELD)

BAC - Bacteriological

MS - Mass Spec. Ana.

MET - Metal

VOL - Volatiles

PST - PCB/OC Scan. Pesticides

CHA - Chloroaromatics

CHP - Chlorophenols

SPC - Specific Pesticides

TABLE A

MITCHELL'S BAY WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 1a

| PARAMETERS | | | D A T E | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|----------------|------|---|---------|--------|-------|--------|--------|--|--|--|--------------------|--|
| | | | FEB 18 | MAR 12 | APR 2 | APR 14 | APR 28 | | | | | |
| 1 ALKALINITY | | R | 153.2 | 178.0 | 114.3 | 107.3 | | | | | 0.2 | |
| 1 (LAB) | mg/L | T | 115.2 | 134.1 | 84.6 | 84.0 | | | | | mg/L | |
| 2 ALUMINUM | | R | 0.160 | 0.450 | 1.600 | 0.210 | 0.460 | | | | 0.003 | |
| 2 (MET) | mg/L | T | 0.051 | 0.055 | 0.035 | 0.011 | 0.038 | | | | mg/L | |
| 3 ARSENIC | | R | <W | <W | <W | <W | <W | | | | 0.001 | 0.05 |
| 3 (MET) | mg/L | T | <W | <W | <W | <W | <W | | | | mg/L | mg/L |
| 4 BARIUM | | R | 0.019 | 0.020 | 0.021 | 0.016 | 0.018 | | | | 0.001 | 1 |
| 4 (MET) | mg/L | T | 0.018 | 0.016 | 0.014 | 0.016 | 0.018 | | | | mg/L | mg/L |
| 5 BORON | | R | <W | 0.03 | <W | <W | <W | | | | 0.02 | 5 |
| 5 (MET) | mg/L | T | <W | 0.04 | <W | <W | SM | | | | mg/L | mg/L |
| 6 BERYLLIUM | | R | <W | <W | <W | <W | <W | | | | 0.001 | |
| 6 (MET) | mg/L | T | <W | <W | <W | <W | <W | | | | mg/L | |
| 7 BENZENE | | R | <W | <W | <W | <W | <W | | | | 1 | 10 |
| 7 (VOL) | ug/L | T | <W | <W | <W | <W | <W | | | | ug/L | ug/L h |
| 8 TOLUENE | | R | <W | <W | <W | <W | <W | | | | 1 | 100 |
| 8 (VOL) | ug/L | T | <W | <W | <W | <W | <W | | | | ug/L | ug/L c |
| 9 ETHYLBENZENE | | R | <W | <W | <W | <W | <W | | | | 1 | 1400 |
| 9 (VOL) | ug/L | T | <W | <W | <W | <W | <W | | | | ug/L | ug/L e |
| 10 P-XYLENE | | R | <W | <W | <W | <W | <W | | | | 1 | 620 |
| 10 (VOL) | ug/L | T | <W | <W | <W | <W | <W | | | | ug/L | ug/L c |
| 11 M-XYLENE | | R | <W | <W | <W | <W | <W | | | | 1 | 620 |
| 11 (VOL) | ug/L | T | <W | <W | <W | <W | <W | | | | ug/L | ug/L c |

MITCHELL'S BAY WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 2a

| PARAMETERS | | | DATE | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|----------------------|---------|---|--------|--------|--------|--------|--------|--|--|--|--|--|--------------------|--|
| | | | FEB 18 | MAR 12 | APR 2 | APR 14 | APR 28 | | | | | | | |
| 12 O-XYLENE | | R | <W | <W | <W | <W | <W | | | | | | 1 ug/L | 620 ug/L c |
| 12 (VOL) | ug/L | T | <W | <W | <W | <W | <W | | | | | | | |
| 13 CALCIUM | | R | 61.0 | 69.0 | 46.7 | 40.6 | | | | | | | 0.1 mg/L | |
| 13 (LAB) | mg/L | T | 62.0 | 65.0 | 49.1 | 43.5 | | | | | | | | |
| 14 CYANIDE | | R | <W | <W | <W | <W | <W | | | | | | 0.001 mg/L | 0.2 mg/L |
| 14 (MET) | mg/L | T | <W | <W | <W | <W | <W | | | | | | | |
| 15 CADMIUM | | R | <W | <W | <W | <W | <W | | | | | | 0.0003 mg/L | 0.005 mg/L |
| 15 (MET) | mg/L | T | <W | <W | <W | <W | <W | | | | | | | |
| 16 CHLORIDE | | R | 21.4 | 21.7 | 12.87 | 15.20 | | | | | | | 0.2 mg/L | 250 mg/L |
| 16 (LAB) | mg/L | T | 23.6 | 25.3 | 15.80 | 16.60 | | | | | | | | |
| 17 COLOUR | TCU | R | 20.0 | 20.0 | 60.0 | 6.0 | | | | | | | 0.5 TCU | 5 TCU |
| 17 (LAB) | | T | 2.5 | 3.5 | 3.0 | 1.0<T | | | | | | | | |
| 18 CONDUCTIVITY | | R | 438.00 | 489.00 | 340.00 | 314.00 | | | | | | | 0.01 UMHO/CM | |
| 18 (LAB) | umho/cm | T | 452.00 | 474.00 | 371.00 | 335.00 | | | | | | | | |
| 19 COBALT | | R | 0.001 | <W | 0.001 | <W | <W | | | | | | 0.001 mg/L | |
| 19 (MET) | mg/L | T | 0.001 | <W | <W | 0.001 | <W | | | | | | | |
| 20 CHROMIUM | | R | 0.003 | 0.003 | 0.005 | <W | 0.001 | | | | | | 0.001 mg/L | 0.05 mg/L |
| 20 (MET) | mg/L | T | 0.002 | 0.003 | 0.002 | <W | <W | | | | | | | |
| 21 COPPER | | R | 0.007 | 0.010 | 0.010 | 0.003 | 0.003 | | | | | | 0.001 mg/L | 1 mg/L |
| 21 (MET) | mg/L | T | 0.022 | 0.016 | 0.022 | 0.016 | 0.011 | | | | | | | |
| 22 F. COLIFORM MF | | R | 1 | 7 | 4 | 0 | 1 | | | | | | 0 | 0/0.1 mL |
| 22 (BAC) count/100mL | | T | NA | NA | NA | NA | NA | | | | | | | |

MITCHELL'S BAY WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 3a

| PARAMETERS | | | D A T E | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|------------------------------|----------|---|---------|--------|-------|--------|--------|--|--|--|--------------------|--|
| | | | FEB 18 | MAR 12 | APR 2 | APR 14 | APR 28 | | | | | |
| 23 IRON | | R | 0.190 | 0.270 | 1.600 | 0.150 | 0.260 | | | | 0.002 | 0.3 |
| 23 (MET) | mg/L | T | 0.046 | 0.037 | 0.051 | 0.059 | 0.052 | | | | mg/L | mg/L |
| 24 FLUORIDE | | R | 0.13 | 0.15 | 0.14 | 0.11 | | | | | 0.01 | 2.4 |
| 24 (LAB) | mg/L | T | 0.07 | 0.07 | 0.07 | 0.06 | | | | | mg/L | mg/L |
| 25 FIELD CHLORINE (COMBINED) | | R | NA | NA | NA | NA | NA | | | | | |
| 25 (FLD) | | T | 0.20 | 0.10 | 0.00 | 0.10 | 0.10 | | | | | |
| 26 FIELD CHLORINE (FREE) | | R | NA | NA | NA | NA | NA | | | | | |
| 26 (FLD) | | T | 0.70 | 0.60 | 1.00 | 0.80 | 0.80 | | | | | |
| 27 FIELD CHLORINE (TOTAL) | | R | NA | NA | NA | NA | NA | | | | | |
| 27 (FLD) | | T | 0.90 | 0.70 | 1.00 | 0.90 | 0.90 | | | | | |
| 28 FIELD PH | | R | 7.50 | 7.50 | 7.40 | 7.50 | 7.70 | | | | | |
| 28 (FLD) | | T | 7.20 | 7.40 | 7.20 | 7.40 | 7.40 | | | | | |
| 29 FIELD TEMPERATURE | | R | 6.0 | 6.0 | 5.0 | 7.0 | 11.0 | | | | | |
| 29 (FLD) | | T | 10.0 | 10.0 | 11.0 | 12.0 | 13.0 | | | | | |
| 30 FIELD TURBIDITY | | R | 7.50 | 4.20 | 59.00 | 14.00 | 9.90 | | | | | 1 FTU |
| 30 (FLD) | | T | 0.33 | 0.32 | 0.18 | 0.40 | 0.24 | | | | | |
| 31 HARDNESS | | R | 207.0 | 236.0 | 161.5 | 142.0 | | | | | 0.5 | |
| 31 (LAB) | mg/L | T | 211.0 | 222.0 | 165.5 | 149.5 | | | | | mg/L | |
| 32 STANDARD PLATE COUNT MF | | R | 300 | 800 | 900 | 470 | 1260 | | | | 0 | 500 orga- |
| 32 (BAC) | count/mL | T | 2 | AW | AW | AW | AW | | | | | nisms per mL |
| 33 MERCURY | | R | 0.01 | 0.01 | <W | 0.01 | <W | | | | 0.01 | 1 |
| 33 (MET) | ug/L | T | 0.01 | <W | 0.01 | 0.01 | 0.01 | | | | ug/L | ug/L |

**MITCHELL'S BAY WATER TREATMENT PLANT
1986 DWSP DATA**

PAGE 4a

| PARAMETERS | | | DATE | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|----------------------------|------|---|--------|--------|--------|--------|--------|--|--|--|--------------------|--|
| | | | FEB 18 | MAR 12 | APR 2 | APR 14 | APR 28 | | | | | |
| 34 MAGNESIUM | | R | 13.30 | 15.40 | 10.90 | 9.80 | | | | | 0.05 | |
| 34 (LAB) | mg/L | T | 13.60 | 14.40 | 10.50 | 9.90 | | | | | mg/L | |
| 35 MANGANESE | | R | 0.018 | 0.034 | 0.025 | 0.008 | 0.006 | | | | 0.001 | 0.05 |
| 35 (MET) | mg/L | T | 0.020 | 0.023 | 0.011 | 0.012 | 0.005 | | | | mg/L | mg/L |
| 36 MOLYBDENUM | | R | <W | <W | <W | <W | <W | | | | 0.001 | |
| 36 (MET) | mg/L | T | <W | 0.001 | <W | <W | 0.001 | | | | mg/L | |
| 37 SODIUM | | R | 10.0 | 8.0 | 5.8 | 8.3 | | | | | 0.1 | |
| 37 (LAB) | mg/L | T | 10.0 | 9.2 | 5.8 | 8.2 | | | | | mg/L | |
| 38 NICKEL | | R | 0.002 | <W | 0.003 | <W | <W | | | | 0.002 | |
| 38 (MET) | mg/L | T | 0.002 | 0.002 | <W | <W | <W | | | | mg/L | |
| 39 AMMONIUM TOTAL | | R | <W | 0.090 | <W | <W | | | | | 0.05 | |
| 39 (LAB) | mg/L | T | <W | <W | <W | <W | | | | | mg/L | |
| 40 NITRITE | | R | 0.0450 | 0.0205 | 0.0360 | 0.0070 | | | | | 0.005 | 1 mg/L |
| 40 (LAB) | mg/L | T | <W | <W | <W | <W | | | | | mg/L | as N |
| 41 NITRATE | | R | 1.730 | 2.410 | 1.970 | 0.935 | | | | | 0.05 | 10 mg/L |
| 41 (LAB) | mg/L | T | 1.760 | 2.230 | 2.300 | 1.130 | | | | | mg/L | as N |
| 42 NITROGEN TOTAL KJELDAHL | | R | 0.370 | 0.470 | 0.540 | 0.190 | | | | | 0.1 | 0.15 |
| 42 (LAB) | mg/L | T | 0.210 | 0.270 | 0.220 | 0.130 | | | | | mg/L | mg/L * |
| 43 PRESENCE/ABSENCE | | R | NA | NA | NA | NA | NA | | | | 0 | Absent |
| 43 (BAC) | | T | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | | | | | |
| 44 LEAD | | R | <W | 0.003 | <W | <W | <W | | | | 0.003 | 0.05 |
| 44 (MET) | mg/L | T | <W | <W | <W | 0.005 | <W | | | | mg/L | mg/L |

MITCHELL'S BAY WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 5a

| PARAMETERS | | | D A T E | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------------------------|---|-------|---------|--------|-------|--------|--------|--|--|--|--------------------|--|
| | | | FEB 18 | MAR 12 | APR 2 | APR 14 | APR 28 | | | | | |
| 45 PH | R | 7.35 | 7.62 | 7.85 | 8.19 | | | | | | | |
| 45 (LAB) | T | 6.97 | 7.63 | 7.40 | 7.69 | | | | | | | |
| 46 PHOSPHORUS FILTERED REACTIVE | R | <W | 0.155 | 0.0240 | <W | | | | | | 0.01 | |
| 46 (LAB) mg/L | T | <W | <W | <W | <W | | | | | | mg/L | |
| 47 PHOSPHORUS TOTAL | R | 0.021 | 0.027 | 0.084 | 0.022 | | | | | | 0.01 | |
| 47 (LAB) mg/L | T | <W | <W | <W | <W | | | | | | mg/L | |
| 48 ALDRIN | R | IL | <W | <W | <W | | | | | | 1 | 700 |
| 48 (PST) ng/L | T | IL | <W | <W | <W | | | | | | ng/L | ng/L ** |
| 49 ALPHA BHC | R | IL | 1<T | 3<T | <W | | | | | | 1 | 700 |
| 49 (PST) ng/L | T | IL | 1<T | 4<T | <W | | | | | | ng/L | ng/L c |
| 50 BETA BHC | R | IL | <W | <W | <W | | | | | | 1 | 300 |
| 50 (PST) ng/L | T | IL | <W | <W | <W | | | | | | ng/L | ng/L c |
| 51 LINDANE | R | IL | <W | <W | <W | | | | | | 1 | 4000 |
| 51 (PST) ng/L | T | IL | <W | 4<T | <W | | | | | | ng/L | ng/L |
| 52 ALPHA CHLORDANE | R | IL | <W | <W | <W | | | | | | 2 | 700 |
| 52 (PST) ng/L | T | IL | <W | <W | <W | | | | | | ng/L | ng/L *** |
| 53 GAMMA CHLORDANE | R | IL | <W | <W | <W | | | | | | 2 | 700 |
| 53 (PST) ng/L | T | IL | <W | <W | <W | | | | | | ng/L | ng/L *** |
| 54 DIELDRIN | R | IL | <W | <W | <W | | | | | | 2 | 700 |
| 54 (PST) ng/L | T | IL | <W | <W | <W | | | | | | ng/L | ng/L ** |
| 55 METHOXYCHLOR | R | IL | <W | <W | <W | | | | | | 5 | 100000 |
| 55 (PST) ng/L | T | IL | <W | <W | <W | | | | | | ng/L | ng/L |

MITCHELL'S BAY WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 6a

| PARAMETERS | | | DATE | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-----------------------|------|---|--------|--------|-------|--------|--------|--|--|--|--------------------|--|
| | | | FEB 18 | MAR 12 | APR 2 | APR 14 | APR 28 | | | | | |
| 56 ENDRIN | | R | IL | <W | <W | <W | | | | | 4 | 200 |
| 56 (PST) | ng/L | T | IL | <W | <W | <W | | | | | ng/L | ng/L |
| 57 THIODAN SULPHATE | | R | IL | <W | <W | <W | | | | | 4 | |
| 57 (PST) | ng/L | T | IL | <W | <W | <W | | | | | ng/L | |
| 58 THIODAN I | | R | IL | <W | <W | <W | | | | | 2 | 74000 |
| 58 (PST) | ng/L | T | IL | <W | <W | <W | | | | | ng/L | ng/L ea |
| 59 THIODAN II | | R | IL | <W | <W | <W | | | | | 4 | 74000 |
| 59 (PST) | ng/L | T | IL | 5<T | <W | <W | | | | | ng/L | ng/L ea |
| 60 METHYLPARATHION | | R | + | + | + | + | + | | | | 50 | 7000 |
| 60 (SPC) | | T | + | + | + | + | + | | | | ng/L | ng/L |
| 61 PARATHION | | R | + | + | + | + | + | | | | 50 | 35000 |
| 61 (SPC) | | T | + | + | + | + | + | | | | ng/L | ng/L |
| 62 HEPTACHLOR EPOXIDE | | R | IL | <W | <W | <W | | | | | 1 | 3000 +++ |
| 62 (PST) | ng/L | T | IL | <W | <W | <W | | | | | ng/L | ng/L |
| 63 HEPTACHLOR | | R | IL | <W | <W | <W | | | | | 1 | 3000 |
| 63 (PST) | ng/L | T | IL | <W | <W | <W | | | | | ng/L | ng/L +++ |
| 64 MIREX | | R | IL | <W | <W | <W | | | | | 5 | |
| 64 (PST) | ng/L | T | IL | <W | <W | <W | | | | | ng/L | |
| 65 OXYCHLORDANE | | R | IL | <W | <W | <W | | | | | 2 | |
| 65 (PST) | ng/L | T | IL | <W | <W | <W | | | | | ng/L | |
| 66 O, P, -DDT | | R | IL | <W | <W | <W | | | | | 5 | 30000 |
| 66 (PST) | ng/L | T | IL | <W | <W | <W | | | | | ng/L | ng/L d |

**MITCHELL'S BAY WATER TREATMENT PLANT
1986 DWSP DATA**

PAGE 7a

| PARAMETERS | | | DATE | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------|------|---|--------|--------|-------|--------|--------|--|--|--|--|--|--------------------|--|
| | | | FEB 18 | MAR 12 | APR 2 | APR 14 | APR 28 | | | | | | | |
| 67 PCB | | R | IL | <W | <W | <W | | | | | | | 20 | 3000 |
| 67 (PST) | ng/L | T | IL | <W | <W | <W | | | | | | | ng/L | ng/L t |
| 68 P,P-DDD | | R | IL | <W | <W | <W | | | | | | | 5 | d |
| 68 (PST) | ng/L | T | IL | <W | <W | <W | | | | | | | ng/L | |
| 69 P,P-DDE | | R | IL | <W | <W | <W | | | | | | | 1 | d |
| 69 (PST) | ng/L | T | IL | <W | <W | <W | | | | | | | ng/L | |
| 70 P,P-DDT | | R | <W | <W | <W | <W | | | | | | | 5 | d |
| 70 (PST) | ng/L | T | IL | <W | <W | <W | | | | | | | ng/L | |
| 71 AMETRINE | | R | + | + | + | + | + | | | | | | 50 | |
| 71 (SPC) | ng/L | T | + | + | + | + | + | | | | | | ng/L | |
| 72 ATRAZINE | | R | + | + | + | + | + | | | | | | 50 | 46000 |
| 72 (SPC) | ng/L | T | + | + | + | + | + | | | | | | ng/L | ng/L ! |
| 73 DIAZINON | | R | + | + | + | + | + | | | | | | 50 | 14000 |
| 73 (SPC) | ng/L | T | + | + | + | + | + | | | | | | ng/L | ng/L |
| 74 BLADEX | | R | + | + | + | + | + | | | | | | 100 | 10000 |
| 74 (SPC) | ng/L | T | + | + | + | + | + | | | | | | ng/L | ng/L ! |
| 75 PROMETONE | | R | + | + | + | + | + | | | | | | 50 | |
| 75 (SPC) | ng/L | T | + | + | + | + | + | | | | | | ng/L | |
| 76 PROPАЗINE | | R | + | + | + | + | + | | | | | | 50 | |
| 76 (SPC) | ng/L | T | + | + | + | + | + | | | | | | ng/L | |
| 77 PROMETRYNE | | R | + | + | + | + | + | | | | | | 50 | 1000 |
| 77 (SPC) | ng/L | T | + | + | + | + | + | | | | | | ng/L | ng/L ! |

MITCHELL'S BAY WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 8a

| PARAMETERS | | | D A T E | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-------------------------|------|---|---------|--------|-------|--------|--------|--|--|--|--------------------|--|
| | | | FEB 18 | MAR 12 | APR 2 | APR 14 | APR 28 | | | | | |
| 78 SENCOR | | R | + | + | + | + | + | | | | 100 | |
| 78 (SPC) | ng/L | T | + | + | + | + | + | | | | ng/L | |
| 79 SIMAZINE | | R | + | + | + | + | + | | | | 50 | 10000 |
| 79 (SPC) | ng/L | T | + | + | + | + | + | | | | ng/L | ! |
| 80 DICAMBA | | R | + | + | + | + | + | | | | 100 | 87000 |
| 80 (SPC) | ng/L | T | + | + | + | + | + | | | | ng/L | ! |
| 81 PICLORAM | | R | + | + | + | + | + | | | | 100 | |
| 81 (SPC) | ng/L | T | + | + | + | + | + | | | | ng/L | |
| 82 SILVEX | | R | + | + | + | + | + | | | | 50 | 10000 |
| 82 (SPC) | ng/L | T | + | + | + | + | + | | | | ng/L | |
| 83 2,4-D | | R | + | + | + | + | + | | | | 100 | 100000 |
| 83 (SPC) | ng/L | T | + | + | + | + | + | | | | ng/L | |
| 84 2,4-D BUTYRIC ACID | | R | + | + | + | + | + | | | | 200 | 18000 |
| 84 (SPC) | ng/L | T | + | + | + | + | + | | | | ng/L | ! |
| 85 2,4-D PROPIONIC ACID | | R | + | + | + | + | + | | | | 100 | |
| 85 (SPC) | ng/L | T | + | + | + | + | + | | | | ng/L | |
| 86 2,4,5-T | | R | + | + | + | + | + | | | | 50 | |
| 86 (SPC) | ng/L | T | + | + | + | + | + | | | | ng/L | |
| 87 TOTAL SOLIDS | | R | 265 | 302 | 278 | 204 | | | | | 1 | |
| 87 (LAB) | mg/L | T | 274 | 304 | 241 | 218 | | | | | mg/L | |
| 88 SELENIUM | | R | <W | <W | <W | <W | <W | | | | 0.001 | 0.01 |
| 88 (MET) | mg/L | T | <W | <W | <W | <W | <W | | | | mg/L | |

MITCHELL'S BAY WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 9a

| PARAMETERS | | | D A T E | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------------------------|-------------|---|---------|--------|--------|--------|--------|--|--|--|--|--|--------------------|--|
| | | | FEB 18 | MAR 12 | APR 2 | APR 14 | APR 28 | | | | | | | |
| 89 STRONTIUM | | R | 0.160 | 0.180 | 0.120 | 0.120 | 0.130 | | | | | | 0.001 | |
| 89 (MET) | mg/L | T | 0.170 | 0.160 | 0.110 | 0.130 | 0.140 | | | | | | mg/L | |
| 90 TOTAL COLIFORM MF | | R | 100 | >15000 | 1300 | 12A3C | 27A3C | | | | | | 0 | ODWO |
| 90 (BAC) | count/100mL | T | 0 | 0 | 0 | 0 | 0 | | | | | | | Bacti |
| 91 TOTAL COLIFORM BACKGROUND MF | | R | 1400 | 4600 | 8900 | 650 | 530 | | | | | | 0 | OWDO |
| 91 (BAC) | count/100mL | T | 0 | 0 | 0 | 0 | 0 | | | | | | | Bacti |
| 92 TURBIDITY | | R | 6.00 | 8.00 | 79.00 | 11.00 | | | | | | | 0.01 | 1 |
| 92 (LAB) | FTU | T | 0.34<T | 0.28<T | 0.36<T | 0.44<T | | | | | | | FTU | FTU |
| 93 URANIUM | | R | <W | <W | <W | <W | <W | | | | | | 0.002 | .02 |
| 93 (MET) | mg/L | T | <W | <W | <W | <W | <W | | | | | | mg/L | mg/L t |
| 94 VANADIUM | | R | <W | 0.004 | 0.003 | <W | 0.001 | | | | | | 0.001 | |
| 94 (MET) | mg/L | T | <W | 0.004 | <W | <W | <W | | | | | | mg/L | |
| 95 HEXACHLOROBUTADIENE | | R | IL | <W | 2<T | <W | | | | | | | 1 | 4500 |
| 95 (CHA) | ng/L | T | IL | 4<T | <W | <W | | | | | | | ng/L | ng/L e |
| 96 1,1-DICHLOROETHYLENE | | R | <W | <W | <W | <W | <W | | | | | | 1 | .3 |
| 96 (VOL) | ug/L | T | <W | <W | <W | <W | <W | | | | | | ug/L | ug/L h |
| 97 T,1,2-DICHLOROETHYLENE | | R | <W | <W | <W | <W | <W | | | | | | 1 | |
| 97 (VOL) | ug/L | T | <W | <W | <W | <W | <W | | | | | | ug/L | |
| 98 1,1-DICHLOROETHANE | | R | <W | <W | <W | <W | <W | | | | | | 1 | |
| 98 (VOL) | ug/L | T | <W | <W | <W | <W | <W | | | | | | ug/L | |

MITCHELL'S BAY WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 10a

| PARAMETERS | | | D A T E | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------------------|---|----|---------|--------|-------|--------|--------|--|--|--|--------------------|--|
| | | | FEB 18 | MAR 12 | APR 2 | APR 14 | APR 28 | | | | | |
| 99 CHLOROFORM | R | <W | <W | <W | <W | <W | | | | | 1 | 350 |
| 99 (VOL) ug/L | T | 34 | 40 | 54 | 32 | 29 | | | | | ug/L | ug/L ++ |
| 100 DICHLOROMETHANE | R | <W | <W | <W | CS | CS | | | | | 5 | 40 |
| 100 (VOL) ug/L | T | <W | <W | CS | <W | <W | | | | | ug/L | ug/L c |
| 101 1,1,1-TRICHLOROETHANE | R | <W | <W | <W | <W | <W | | | | | 1 | 1000 |
| 101 (VOL) ug/L | T | <W | <W | <W | <W | <W | | | | | ug/L | ug/L c |
| 102 1,2-DICHLOROETHANE | R | <W | <W | <W | <W | <W | | | | | 1 | 10 |
| 102 (VOL) ug/L | T | <W | <W | <W | <W | <W | | | | | ug/L | ug/L h |
| 103 CARBON TETRACHLORIDE | R | <W | <W | <W | <W | <W | | | | | 1 | 3 |
| 103 (VOL) ug/L | T | <W | <W | <W | <W | <W | | | | | ug/L | ug/L h |
| 104 1,2 DICHLOROPROPANE | R | <W | <W | <W | <W | <W | | | | | 1 | |
| 104 (VOL) ug/L | T | <W | <W | <W | <W | <W | | | | | ug/L | |
| 105 TRICHLOROETHYLENE | R | <W | <W | <W | <W | <W | | | | | 1 | 30 |
| 105 (VOL) ug/L | T | <W | <W | <W | <W | <W | | | | | ug/L | ug/L h |
| 106 DICHLOROBROMOMETHANE | R | <W | <W | <W | <W | <W | | | | | 1 | 350 |
| 106 (VOL) ug/L | T | 17 | 19 | 13 | 18 | 17 | | | | | ug/L | ug/L ++ |
| 107 1,1,2-TRICHLOROETHANE | R | <W | <W | <W | <W | <W | | | | | 1 | 6 |
| 107 (VOL) ug/L | T | <W | <W | <W | <W | <W | | | | | ug/L | ug/L e |
| 108 CHLORODIBROMOMETHANE | R | <W | <W | <W | <W | <W | | | | | 1 | 350 |
| 108 (VOL) ug/L | T | 19 | 18 | 8 | 17 | 7 | | | | | ug/L | ug/L ++ |

MITCHELL'S BAY WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 11a

| PARAMETERS | | | D A T E | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-------------------------------|---|----|---------|--------|-------|--------|--------|--|--|--|--------------------|--|
| | | | FEB 18 | MAR 12 | APR 2 | APR 14 | APR 28 | | | | | |
| 109 TETRACHLOROETHYLENE | R | <W | <W | <W | <W | <W | <W | | | | 1 | 10 |
| 109 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | | | | ug/L | ug/L h |
| 110 BROMOFORM | R | <W | <W | <W | <W | <W | <W | | | | 1 | 350 |
| 110 (VOL) ug/L | T | <W | <W | <W | 3 | <W | <W | | | | ug/L | ug/L ++ |
| 111 1,1,2,2-TETRACHLOROETHANE | R | <W | <W | <W | <W | <W | <W | | | | 1 | 1.7 |
| 111 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | | | | ug/L | ug/L e |
| 112 HEXACHLOROBENZENE | R | IL | <W | <W | <W | <W | <W | | | | 1 | 10 |
| 112 (PST) ng/L | T | IL | <W | <W | <W | <W | <W | | | | ng/L | ng/L h |
| 113 HEXACHLOROETHANE | R | IL | <W | <W | <W | <W | <W | | | | 1 | 19000 |
| 113 (CHA) ng/L | T | IL | <W | <W | <W | <W | <W | | | | ng/L | ng/L e |
| 114 OCTACHLOROSTYRENE | R | IL | <W | <W | <W | <W | <W | | | | 1 | |
| 114 (CHA) ng/L | T | IL | <W | <W | <W | <W | <W | | | | ng/L | |
| 115 PENTACHLOROBENZENE | R | IL | <W | <W | <W | <W | <W | | | | 1 | 74000 |
| 115 (CHA) ng/L | T | IL | <W | <W | <W | <W | <W | | | | ng/L | ng/L e |
| 116 TOTAL TRIHALOMETHANES | R | <W | <W | <W | <W | <W | <W | | | | 3 | 350 |
| 116 (VOL) ug/L | T | 70 | 77 | 75 | 70 | 53 | <W | | | | ug/L | ug/L ++ |
| 117 2,3,6-TRICHLOROTOLUENE | R | IL | <W | <W | <W | <W | <W | | | | 5 | |
| 117 (CHA) ng/L | T | IL | <W | <W | <W | <W | <W | | | | ng/L | |
| 118 2,4,5-TRICHLOROTOLUENE | R | IL | <W | <W | <W | <W | <W | | | | 5 | 10000 |
| 118 (CHA) ng/L | T | IL | <W | <W | <W | <W | <W | | | | ng/L | ng/L g |
| 119 2,6,A-TRICHLOROTOLUENE | R | IL | <W | <W | <W | <W | <W | | | | 5 | |
| 119 (CHA) mg/L | T | IL | <W | 20<T | <W | <W | <W | | | | ng/L | |

MITCHELL'S BAY WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 12a

| PARAMETERS | | | D A T E | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|--------------------------------|---|----|---------|--------|-------|--------|--------|--|--|--|--------------------|--|
| | | | FEB 18 | MAR 12 | APR 2 | APR 14 | APR 28 | | | | | |
| 120 CHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | | | | 1 | 100-300 |
| 120 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | | | | ng/L | ng/L h* |
| 121 1,4-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | | | | 1 | 400 |
| 121 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | | | | ug/L | ug/L e |
| 122 1,3-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | | | | 1 | 400 |
| 122 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | | | | ug/L | ug/L e |
| 123 1,2-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | | | | 1 | 400 |
| 123 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | | | | ug/L | ug/L e |
| 124 TRIFLUOROCHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | | | | 1 | |
| 124 (CHA) ug/L | T | <W | <W | <W | <W | <W | <W | | | | ug/L | |
| 125 1,2,3-TRICHLOROBENZENE | R | IL | <W | <W | <W | <W | <W | | | | 5 | 10000 |
| 125 (CHA) ng/L | T | IL | <W | <W | <W | <W | <W | | | | ng/L | ng/L y |
| 126 1,2,3,4-TETRACHLOROBENZENE | R | IL | <W | <W | <W | <W | <W | | | | 1 | |
| 126 (CHA) ng/L | T | IL | <W | <W | <W | <W | <W | | | | ng/L | |
| 127 1,2,3,5-TETRACHLOROBENZENE | R | IL | <W | <W | <W | <W | <W | | | | 1 | |
| 127 (CHA) ng/L | T | IL | 27 | 48 | <W | <W | <W | | | | ng/L | |
| 128 1,2,4-TRICHLOROBENZENE | R | IL | <W | <W | <W | <W | <W | | | | 5 | 15000 |
| 128 (CHA) ng/L | T | IL | <W | <W | <W | <W | <W | | | | ng/L | ng/L y |
| 129 1,2,4,5-TETRACHLOROBENZENE | R | IL | <W | <W | <W | <W | <W | | | | 1 | 38000 |
| 129 (CHA) ng/L | T | IL | <W | <W | <W | <W | <W | | | | ng/L | ng/L e |
| 130 1,3,5-TRICHLOROBENZENE | R | IL | <W | <W | <W | <W | <W | | | | 5 | 10000 |
| 130 (CHA) ng/L | T | IL | <W | <W | <W | <W | <W | | | | ng/L | ng/L y |

MITCHELL'S BAY WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 13a

[illegible]

**MITCHELL'S BAY WATER TREATMENT PLANT
1986 DWSP DATA**

PAGE 14a

| PARAMETERS | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|--------------------------|---|---------|--------|-------|--------|--------|--|--|--|--|--------------------|--|
| | | FEB 18 | MAR 12 | APR 2 | APR 14 | APR 28 | | | | | | |
| 142 PENTACHLOROBUTADIENE | R | | | | | | | | | | 0.1 | |
| 142 (MS) ug/L | T | | | | | | | | | | ug/L | |
| 143 N-DICHLOROMETHYLENE- | R | | | | | | | | | | 0.1 | |
| 143 PENTACHLOROANALINE | | | | | | | | | | | ug/L | |
| 143 (MS) ug/L | T | | | | | | | | | | | |
| 144 FLUORANTHENE | R | | | | | | | | | | 0.1 | |
| 144 (MS) ug/L | T | | | | | | | | | | ug/L | |
| 145 NAPHTHALENE | R | | | | | | | | | | 0.1 | |
| 145 (MS) ug/L | T | | | | | | | | | | ug/L | |
| 146 METHYL PHENANTHRENE | R | | | | | | | | | | 0.1 | |
| 146 (MS) ug/L | T | | | | | | | | | | ug/L | |
| 147 PYRENE | R | | | | | | | | | | 0.1 | |
| 147 (MS) ug/L | T | | | | | | | | | | ug/L | |
| 148 DIPHENYL ETHER | R | | | | | | | | | | 0.1 | |
| 148 (MS) ug/L | T | | | | | | | | | | ug/L | |
| 149 DI-N-BUTYL PHTHALATE | R | | | | | | | | | | 0.1 | 34000 |
| 149 (MS) ug/L | T | | | | | | | | | | ug/L | ug/L e |
| 150 CL BIPHENYL | R | | | | | | | | | | 0.1 | |
| 150 (MS) ug/L | T | | | | | | | | | | ug/L | |
| 151 ATRAZINE | R | | | | | | | | | | 0.1 | 46 |
| 151 (MS) ug/L | T | | | | | | | | | | ug/L | ug/L ! |

MITCHELL'S BAY WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 15a

| PARAMETERS | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-----------------------------|---|---------|--------|-------|--------|--------|--|--|--|--|--------------------|--|
| | | FEB 18 | MAR 12 | APR 2 | APR 14 | APR 28 | | | | | | |
| 152 BIPHENYL | R | | | | | | | | | | 0.1 | |
| 152 (MS) ug/L | T | | | | | | | | | | ug/L | |
| 153 ALIPHATIC HYDROCARBONS* | R | | | | | | | | | | 0.1 | |
| 153 (MS) ug/L | T | | | | | | | | | | ug/L | |
| 154 TRIMETHYL NAPHTHALENE** | R | | | | | | | | | | 0.1 | |
| 154 (MS) ug/L | T | | | | | | | | | | ug/L | |
| 155 DIMETHYL FLUORENE | R | | | | | | | | | | 0.1 | |
| 155 (MS) ug/L | T | | | | | | | | | | ug/L | |
| 156 BUTOXY ETHOXYETHAND | R | | | | | | | | | | 0.1 | |
| 156 (MS) ug/L | T | | | | | | | | | | ug/L | |
| 157 STYRENE | R | | | | | | | | | | 0.1 | |
| 157 (MS) ug/L | T | | | | | | | | | | ug/L | |

* - Hydrocarbon "envelope" - total concentration is number given - number in brackets is an estimation of the number of compounds in the envelope

** - Number in brackets is number of isomers present

LAB - Chemistry (LAB)

FLD - Chemistry (FIELD)

BAC - Bacteriological

MS - Mass Spec. Ana.

MET - Metal

VOL - Volatiles

PST - PCB/OC Scan. Pesticides

CHA - Chloroaromatics

CHP - Chlorophenols

SPC - Specific Pesticides

PAGE 1

[illegible]

**SARNIA WATER TREATMENT PLANT
1985-1986 DWSP DATA**

PAGE 2

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|----------------------|---------|---|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------------------|--|---------------|
| | | | NOV 15 | DEC 2 | DEC 10 | JAN 6 | JAN 13 | JAN 20 | JAN 28 | FEB 3 | FEB 12 | | | FEB 17 |
| 12 O-XYLENE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 ug/L | 620 ug/L |
| 12 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | | |
| 13 CALCIUM | | R | 26.0 | 25.5 | 26.3 | 27.6 | 28.0 | 28.5 | 28.5 | 28.0 | 28.0 | 28.0 | 0.1 mg/L | |
| 13 (LAB) | mg/L | T | 27.0 | 26.0 | 27.0 | 27.0 | 28.0 | 28.5 | 27.5 | 28.5 | 27.5 | 28.0 | | |
| 14 CYANIDE | | R | NR | <W | <W | <W | <W | <W | <W | <W | <W | <W | 0.001 mg/L | 0.2 mg/L |
| 14 (MET) | mg/L | T | NR | <W | <W | <W | <W | <W | <W | <W | <W | <W | | |
| 15 CADMIUM | | R | NR | <W | <W | <W | <W | <W | <W | <W | <W | <W | 0.0003 mg/L | 0.005 mg/L |
| 15 (MET) | mg/L | T | NR | <W | <W | <W | <W | <W | <W | <W | <W | <W | | |
| 16 CHLORIDE | | R | 5.0 | 4.8 | 4.0 | 5.2 | 6.2 | 5.6 | 5.4 | 5.4 | 5.6 | 5.4 | 0.2 mg/L | 250 mg/L |
| 16 (LAB) | mg/L | T | 6.6 | 6.0 | 6.4 | 6.6 | 7.2 | 6.6 | 6.4 | 6.6 | 7.2 | 6.4 | | |
| 17 COLOUR | TCU | R | 3.5 | 4.0 | 2.0 | 3.5 | 6.5 | 7.5 | 4.5 | 4.5 | 3.0 | 3.0 | 0.5 TCU | 5 TCU |
| 17 (LAB) | | T | <W | 0.5<T | <W | <W | 1.5<T | 1.5<T | 1.0<T | <W | <W | 1.5<T | | |
| 18 CONDUCTIVITY | | R | 210.00 | 211.00 | 209.00 | 211.00 | 212.00 | 213.00 | 221.00 | 217.00 | 218.00 | 218.00 | 0.01 UMHO/CM | |
| 18 (LAB) | umho/cm | T | 215.00 | 216.00 | 213.00 | 215.00 | 218.00 | 219.00 | 223.00 | 222.00 | 219.00 | 220.00 | | |
| 19 COBALT | | R | NR | <W | <W | <W | <W | <W | <W | <W | <W | <W | 0.001 mg/L | |
| 19 (MET) | mg/L | T | NR | <W | <W | <W | <W | <W | <W | <W | <W | <W | | |
| 20 CHROMIUM | | R | NR | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.001 | 0.001 | 0.002 | 0.002 | 0.001 mg/L | 0.05 mg/L |
| 20 (MET) | mg/L | T | NR | 0.002 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | | |
| 21 COPPER | | R | NR | 0.002 | 0.002 | 0.002 | 0.003 | 0.003 | 0.002 | 0.002 | 0.003 | 0.003 | 0.001 mg/L | 1 mg/L |
| 21 (MET) | mg/L | T | NR | 0.004 | 0.004 | 0.004 | 0.011 | 0.005 | 0.006 | 0.003 | 0.007 | 0.007 | | |
| 22 F. COLIFORM MF | | R | NR | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0/0.1 mL |
| 22 (BAC) count/100mL | | T | NR | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |

**SARNIA WATER TREATMENT PLANT
1985-1986 DWSP DATA**

PAGE 3

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|------------------------------|----------|---|---------|-------|--------|-------|--------|--------|--------|-------|--------|--------------------|--|------------------------------|
| | | | NOV 15 | DEC 2 | DEC 10 | JAN 6 | JAN 13 | JAN 20 | JAN 28 | FEB 3 | FEB 12 | | | FEB 17 |
| 23 IRON | | R | NR | 0.230 | 0.039 | 0.061 | 0.120 | 0.290 | 0.100 | 0.033 | 0.026 | 0.026 | 0.002 mg/L | 0.3 mg/L |
| 23 (MET) | mg/L | T | NR | 0.092 | 0.023 | 0.040 | 0.100 | 0.078 | 0.081 | 0.017 | 0.028 | 0.110 | | |
| 24 FLUORIDE | | R | 0.08 | 0.07 | 0.07 | 0.10 | 0.07 | 0.08 | 0.09 | 0.08 | 0.10 | 0.09 | 0.01 mg/L | 2.4 mg/L |
| 24 (LAB) | mg/L | T | 1.19 | 1.33 | 1.16 | 1.02 | 1.16 | 1.27 | 1.16 | 1.14 | 0.94 | 1.16 | | |
| 25 FIELD CHLORINE (COMBINED) | | R | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 25 (FLD) | | T | NS | 0.10 | 0.10 | 0.25 | 0.20 | 0.20 | 0.20 | 0.10 | 0.10 | 0.20 | | |
| 26 FIELD CHLORINE (FREE) | | R | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 26 (FLD) | | T | NS | 0.68 | 0.70 | 0.65 | 0.70 | 0.70 | 0.70 | 0.80 | 0.80 | 0.80 | | |
| 27 FIELD CHLORINE (TOTAL) | | R | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 27 (FLD) | | T | NS | 0.75 | 0.80 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 1.00 | | |
| 28 FIELD PH | | R | NS | 8.23 | 8.50 | 8.00 | 7.80 | 8.10 | 8.10 | 7.90 | 7.90 | 7.80 | | |
| 28 (FLL) | | T | NS | 7.23 | NS | 7.40 | 7.40 | 7.40 | 7.50 | 7.30 | 7.40 | 7.40 | | |
| 29 FIELD TEMPERATURE | | R | NS | 5.0 | 5.0 | 0.5 | 0.5 | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | | |
| 29 (FLD) | | T | NS | 10.0 | 7.0 | 5.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | | |
| 30 FIELD TURBIDITY | | R | NS | 4.50 | 0.88 | 3.20 | 27.00 | 8.30 | 2.10 | 1.20 | 0.80 | 0.94 | | 1 FTU |
| 30 (FLD) | | T | NS | 0.47 | 0.10 | 0.10 | 0.12 | 0.11 | 0.10 | 0.12 | 0.10 | 0.12 | | |
| 31 HARDNESS | | R | 94.8 | 92.7 | 94.7 | 99.0 | 100.8 | 102.0 | 104.0 | 100.0 | 102.0 | 101.0 | 0.5 mg/L | |
| 31 (LAB) | mg/L | T | 97.3 | 94.2 | 97.5 | 97.7 | 100.8 | 101.6 | 100.0 | 102.0 | 100.0 | 101.0 | | |
| 32 STANDARD PLATE COUNT MF | | R | NR | 33 | 5 | 12 | 29 | 117 | 27 | 8 | 12 | 14 | 0 | 500 orga- nisms per mL |
| 32 (BAC) | count/mL | T | NR | 2 | AW | 0 | 1 | 4 | 2 | 57 | AW | 3 | | |
| 33 MERCURY | | R | NR | LA | <W | 0.01 | 0.01 | <W | <W | <W | <W | <W | 0.01 ug/L | 1 ug/L |
| 33 (MET) | ug/L | T | NR | LA | <W | 0.01 | <W | <W | <W | <W | 0.01 | <W | | |

SARNIA WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 4

| PARAMETERS | | | DATE | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/GUIDELINE ¹ | |
|----------------------------|------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|---|--------------|
| | | | NOV 15 | DEC 2 | DEC 10 | JAN 6 | JAN 13 | JAN 20 | JAN 28 | FEB 3 | FEB 12 | | | FEB 17 |
| 34 MAGNESIUM | mg/L | R | 7.25 | 7.05 | 7.05 | 7.30 | 7.50 | 7.50 | 7.85 | 7.30 | 7.80 | 7.60 | 0.05 mg/L | 0.05 mg/L |
| 34 (LAB) | | T | 7.25 | 7.10 | 7.30 | 7.35 | 7.50 | 7.40 | 7.70 | 7.50 | 7.60 | 7.60 | | |
| 35 MANGANESE | mg/L | R | NR | 0.006 | 0.002 | 0.004 | 0.007 | 0.009 | 0.003 | 0.002 | 0.002 | 0.002 | 0.001 mg/L | |
| 35 (MET) | | T | NR | 0.004 | 0.002 | 0.002 | 0.005 | 0.004 | 0.004 | 0.002 | 0.002 | 0.005 | | |
| 36 MOLYBDENUM | mg/L | R | NR | 0.001 | <W | <W | <W | <W | <W | <W | <W | <W | 0.001 mg/L | |
| 36 (MET) | | T | NR | 0.001 | <W | <W | 0.001 | <W | <W | <W | <W | <W | | |
| 37 SODIUM | mg/L | R | 3.5 | 4.0 | 3.8 | 3.6 | 4.0 | 4.0 | 4.0 | 3.5 | 4.0 | 4.0 | 0.1 mg/L | |
| 37 (LAB) | | T | 3.5 | 3.5 | 3.8 | 3.6 | 4.0 | 3.5 | 3.5 | 3.5 | 3.5 | 4.0 | | |
| 38 NICKEL | mg/L | R | NR | 0.001 | <W | <W | <W | <W | <W | <W | <W | <W | 0.002 mg/L | |
| 38 (MET) | | T | NR | 0.001 | 0.001 | <W | <W | <W | <W | <W | <W | <W | | |
| 39 AMMONIUM TOTAL | mg/L | R | NR | <W | <W | <W | <W | <W | <W | <W | <W | <W | 0.05 mg/L | |
| 39 (LAB) | | T | NR | <W | <W | <W | <W | <W | <W | <W | <W | <W | | |
| 40 NITRITE | mg/L | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 0.005 mg/L | 1 mg/L as N |
| 40 (LAB) | | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | | |
| 41 NITRATE | mg/L | R | 0.30<T | 0.25<T | 0.30<T | 0.320 | 0.320 | 0.285 | 0.350 | 0.350 | 0.365 | 0.330 | 0.05 mg/L | 10 mg/L as N |
| 41 (LAB) | | T | 0.30<T | 0.30<T | 0.20<T | 0.325 | 0.335 | 0.285 | 0.350 | 0.350 | 0.355 | 0.325 | | |
| 42 NITROGEN TOTAL KJELDAHL | mg/L | R | NR | 0.20<T | 0.20<T | 0.160 | 0.180 | 0.220 | 0.130 | 0.130 | 0.110 | 0.130 | 0.1 mg/L | 0.15 mg/L * |
| 42 (LAB) | | T | NR | 0.10<T | 0.10<T | 0.130 | <W | 0.110 | <W | 0.100 | <W | <W | | |
| 43 PRESENCE/ABSENCE | | R | NR | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0 | Absent |
| 43 (BAC) | | T | NR | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | | |
| 44 LEAD | mg/L | R | NR | <W | <W | <W | <W | <W | <W | <W | <W | <W | 0.003 mg/L | 0.05 mg/L |
| 44 (MET) | | T | NR | <W | <W | <W | <W | <W | <W | <W | <W | <W | | |

PAGE 5

[illegible]

PAGE 6

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | | |
|------------|--------------------|---|---------|-------|--------|-------|--------|--------|--------|-------|--------|--------------------|--|--------|-----|
| | | | NOV 15 | DEC 2 | DEC 10 | JAN 6 | JAN 13 | JAN 20 | JAN 28 | FEB 3 | FEB 12 | | | FEB 17 | |
| 56 | ENDRIN | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 4 | 200 | |
| 56 | (PST) ng/L | T | <W | LA | <W | <W | NSS | <W | <W | <W | <W | <W | ng/L | ng/L | |
| 57 | THIODAN SULPHATE | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 4 | | |
| 57 | (PST) ng/L | T | <W | LA | <W | <W | NSS | <W | <W | <W | <W | <W | ng/L | | |
| 58 | THIODAN I | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 2 | 74000 | |
| 58 | (PST) ng/L | T | <W | LA | <W | <W | NSS | <W | <W | <W | <W | <W | ng/L | ng/L | ea |
| 59 | THIODAN II | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 4 | 74000 | |
| 59 | (PST) ng/L | T | <W | LA | <W | <W | NSS | <W | <W | <W | <W | <W | ng/L | ng/L | ea |
| 60 | METHYLPARATHION | R | + | + | + | + | + | + | + | + | + | + | 50 | 7000 | |
| 60 | (SPC) | T | + | + | + | + | + | + | + | + | + | + | ng/L | ng/L | |
| 61 | PARATHION | R | + | + | + | + | + | + | + | + | + | + | 50 | 35000 | |
| 61 | (SPC) | T | + | + | + | + | + | + | + | + | + | + | ng/L | ng/L | |
| 62 | HEPTACHLOR EPOXIDE | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 1 | 3000 | +++ |
| 62 | (PST) ng/L | T | <W | LA | <W | <W | NSS | <W | <W | <W | <W | <W | ng/L | ng/L | |
| 63 | HEPTACHLOR | R | <W | <W | <W | <W | 3<T | <W | <W | LA | <W | <W | 1 | 3000 | |
| 63 | (PST) ng/L | T | <W | LA | <W | <W | NSS | <W | <W | <W | <W | <W | ng/L | ng/L | +++ |
| 64 | MIREX | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 5 | | |
| 64 | (PST) ng/L | T | <W | LA | <W | <W | NSS | <W | <W | <W | <W | <W | ng/L | . | |
| 65 | OXYCHLORDANE | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 2 | | |
| 65 | (PST) ng/L | T | <W | LA | <W | <W | NSS | <W | <W | <W | <W | <W | ng/L | | |
| 66 | O, P, -DDT | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 5 | 30000 | |
| 66 | (PST) ng/L | T | <W | LA | <W | <W | NSS | <W | <W | <W | <W | <W | ng/L | ng/L | d |

PAGE 7

[illegible]

PAGE 8

[illegible]

PAGE 9

[illegible]

**SARNIA WATER TREATMENT PLANT
1985-1986 DWSP DATA**

PAGE 10

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|---------------------------|---|----|---------|-------|--------|-------|--------|--------|--------|-------|--------|--------------------|--|----|
| | | | NOV 15 | DEC 2 | DEC 10 | JAN 6 | JAN 13 | JAN 20 | JAN 28 | FEB 3 | FEB 12 | | | |
| 99 CHLOROFORM | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 350 | |
| 99 (VOL) ug/L | T | 29 | 16 | 22 | 22 | 15 | 24 | 26 | 19 | 24 | 22 | ug/L | ug/L | ++ |
| 100 DICHLOROMETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 5 | 40 | |
| 100 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L | c |
| 101 1,1,1-TRICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 1000 | |
| 101 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L | c |
| 102 1,2-DICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 10 | |
| 102 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L | h |
| 103 CARBON TETRACHLORIDE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 3 | |
| 103 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L | h |
| 104 1,2 DICHLOROPROPANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | | |
| 104 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | | |
| 105 TRICHLOROETHYLENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 30 | |
| 105 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L | h |
| 106 DICHLOROBROMOMETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 350 | |
| 106 (VOL) ug/L | T | 11 | 8 | 10 | 11 | 8 | 11 | 11 | 9 | 11 | 10 | ug/L | ug/L | ++ |
| 107 1,1,2-TRICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 6 | |
| 107 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L | e |
| 108 CHLORODIBROMOMETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 350 | |
| 108 (VOL) ug/L | T | 10 | 8 | 11 | 10 | 7 | 10 | 10 | 9 | 10 | 10 | ug/L | ug/L | ++ |

PAGE 11

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/GUIDELINE ¹ | |
|-------------------------------|---|-----|---------|-------|--------|-------|--------|--------|--------|-------|--------|-----------------|---|--------|
| | | | NOV 15 | DEC 2 | DEC 10 | JAN 6 | JAN 13 | JAN 20 | JAN 28 | FEB 3 | FEB 12 | | | FEB 17 |
| 109 TETRACHLOROETHYLENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 10 | |
| 109 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L | h |
| 110 BROMOFORM | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 350 | |
| 110 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L | ++ |
| 111 1,1,2,2-TETRACHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 1.7 | |
| 111 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L | e |
| 112 HEXACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 1 | 10 | |
| 112 (PST) ng/L | T | <W | LA | <W | <W | NSS | <W | <W | <W | <W | <W | ng/L | ng/L | h |
| 113 HEXACHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 1 | 19000 | |
| 113 (CHA) ng/L | T | 2<T | LA | <W | <W | NSS | <W | <W | 4<T | <W | <W | ng/L | ng/L | e |
| 114 OCTACHLOROSTYRENE | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 1 | | |
| 114 (CHA) ng/L | T | <W | LA | <W | <W | NSS | <W | <W | <W | <W | <W | ng/L | | |
| 115 PENTACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 1 | 74000 | |
| 115 (CHA) ng/L | T | <W | LA | <W | <W | NSS | <W | <W | <W | <W | <W | ng/L | ng/L | e |
| 116 TOTAL TRIHALOMETHANES | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 3 | 350 | |
| 116 (VOL) ug/L | T | 50 | 32 | 43 | 43 | 30 | 45 | 47 | 37 | 45 | 42 | ug/L | ug/L | ++ |
| 117 2,3,6-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 5 | | |
| 117 (CHA) ng/L | T | 9<T | LA | <W | <W | NSS | <W | <W | <W | <W | <W | ng/L | | |
| 118 2,4,5-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 5 | 10000 | |
| 118 (CHA) ng/L | T | <W | LA | <W | <W | NSS | <W | <W | <W | <W | <W | ng/L | ng/L | g |
| 119 2,6,A-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 5 | | |
| 119 (CHA) mg/L | T | <W | LA | <W | <W | NSS | <W | <W | <W | <W | <W | ng/L | | |

PAGE 12

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|------------|----------------------------|---|---------|-------|--------|-------|--------|--------|--------|-------|--------|--------------------|--|--------|
| | | | NOV 15 | DEC 2 | DEC 10 | JAN 6 | JAN 13 | JAN 20 | JAN 28 | FEB 3 | FEB 12 | | | FEB 17 |
| 120 | CHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 100-300 | |
| 120 | (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L | h* |
| 121 | 1,4-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 400 | |
| 121 | (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L | e |
| 122 | 1,3-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 400 | |
| 122 | (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L | e |
| 123 | 1,2-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 400 | |
| 123 | (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L | e |
| 124 | TRIFLUOROCHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | | |
| 124 | (CHA) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | | |
| 125 | 1,2,3-TRICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | LA | <W | <W | 5 | 10000 | |
| 125 | (CHA) ng/L | T | <W | LA | <W | <W | NSS | <W | <W | <W | <W | ng/L | ng/L | y |
| 126 | 1,2,3,4-TETRACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | LA | <W | <W | 1 | | |
| 126 | (CHA) ng/L | T | <W | LA | <W | <W | NSS | <W | <W | <W | <W | ng/L | | |
| 127 | 1,2,3,5-TETRACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | LA | <W | <W | 1 | | |
| 127 | (CHA) ng/L | T | <W | LA | 10 | <W | NSS | <W | 10<T | <W | <W | ng/L | | |
| 128 | 1,2,4-TRICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | LA | <W | <W | 5 | 15000 | |
| 128 | (CHA) ng/L | T | <W | LA | <W | <W | NSS | <W | <W | <W | <W | ng/L | ng/L | y |
| 129 | 1,2,4,5-TETRACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | LA | <W | <W | 1 | 38000 | |
| 129 | (CHA) ng/L | T | 12 | LA | <W | <W | NSS | <W | <W | <W | <W | ng/L | ng/L | e |
| 130 | 1,3,5-TRICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | LA | <W | <W | 5 | 10000 | |
| 130 | (CHA) ng/L | T | <W | LA | <W | <W | NSS | <W | <W | <W | <W | ng/L | ng/L | y |

**SARNIA WATER TREATMENT PLANT
1985-1986 DWSP DATA**

PAGE 13

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|-------------------------------|---|----|---------|-------|--------|-------|--------|--------|--------|-------|--------|--------------------|--|--------|
| | | | NOV 15 | DEC 2 | DEC 10 | JAN 6 | JAN 13 | JAN 20 | JAN 28 | FEB 3 | FEB 12 | | | FEB 17 |
| 131 PENTACHLOROPHENOL | R | + | + | + | + | + | + | + | + | + | + | 50 | 10000 ng/L | h |
| 131 (CHP) ng/L | T | + | + | + | + | + | + | + | + | + | + | ng/L | | |
| 132 2,3,4-TRICHLOROPHENOL | R | + | + | + | + | + | + | + | + | + | + | 100 | ng/L | |
| 132 (CHP) ng/L | T | + | + | + | + | + | + | + | + | + | + | ng/L | | |
| 133 2,3,4,5-TETRACHLOROPHENOL | R | + | + | + | + | + | + | + | + | + | + | 50 | ng/L | |
| 133 (CHP) ng/L | T | + | + | + | + | + | + | + | + | + | + | ng/L | | |
| 134 2,3,5,6-TETRACHLOROPHENOL | R | + | + | + | + | + | + | + | + | + | + | 50 | ng/L | |
| 134 (CHP) ng/L | T | + | + | + | + | + | + | + | + | + | + | ng/L | | |
| 135 2,4,5-TRICHLOROPHENOL | R | + | + | + | + | + | + | + | + | + | + | 50 | ng/L | |
| 135 (CHP) ng/L | T | + | + | + | + | + | + | + | + | + | + | ng/L | | |
| 136 2,4,6-TRICHLOROPHENOL | R | + | + | + | + | + | + | + | + | + | + | 50 | 10000 ng/L | h |
| 136 (CHP) ng/L | T | + | + | + | + | + | + | + | + | + | + | ng/L | | |
| 137 ZINC | R | NR | 0.005 | 0.004 | 0.003 | 0.005 | 0.006 | 0.011 | 0.003 | 0.003 | 0.003 | 0.001 | 5 mg/L | h |
| 137 (MET) mg/L | T | NR | 0.029 | 0.017 | 0.012 | 0.024 | 0.026 | 0.036 | 0.035 | 0.040 | 0.079 | mg/L | | |
| 138 PENTACHLOROPROPANE | R | NS | NS | <W | <W | <W | <W | <W | | | | 0.1 | ug/L | |
| 138 (MS) ug/L | T | NS | NS | <W | <W | <W | <W | <W | | | | ug/L | | |
| 139 PENTACHLOROPROPENE | R | NS | NS | <W | <W | <W | <W | <W | | | | 0.1 | ug/L | |
| 139 (MS) ug/L | T | NS | NS | <W | <W | <W | <W | <W | | | | ug/L | | |
| 140 HEXACHLOROPROPENE | R | NS | NS | <W | <W | <W | <W | <W | | | | 0.1 | ug/L | |
| 140 (MS) ug/L | T | NS | NS | <W | <W | <W | <W | <W | | | | ug/L | | |
| 141 TETRACHLOROBUTANE | R | NS | NS | <W | <W | <W | <W | <W | | | | 0.1 | ug/L | |
| 141 (MS) ug/L | T | NS | NS | <W | <W | <W | <W | <W | | | | ug/L | | |

**SARNIA WATER TREATMENT PLANT
1985-1986 DWSP DATA**

PAGE 14

| PARAMETERS | | | DATE | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|--------------------------|---|----|--------|-------|--------|-------|--------|--------|--------|-------|--------|--------------------|--|
| | | | NOV 15 | DEC 2 | DEC 10 | JAN 6 | JAN 13 | JAN 20 | JAN 28 | FEB 3 | FEB 12 | FEB 17 | |
| 142 PENTACHLOROBUTADIENE | R | NS | NS | <W | <W | <W | <W | <W | | | | 0.1 | |
| 142 (MS) ug/L | T | NS | NS | <W | <W | <W | <W | <W | | | | ug/L | |
| 143 N-DICHLOROMETHYLENE- | R | NS | NS | <W | <W | <W | <W | <W | | | | 0.1 | |
| 143 PENTACHLOROANALINE | T | NS | NS | <W | <W | <W | <W | <W | | | | ug/L | |
| 143 (MS) ug/L | | | | | | | | | | | | | |
| 144 FLUORANTHENE | R | NS | NS | <W | <W | <W | <W | <W | | | | 0.1 | |
| 144 (MS) ug/L | T | NS | NS | <W | <W | <W | <W | <W | | | | ug/L | |
| 145 NAPHTHALENE | R | NS | NS | <W | <W | <W | <W | <W | | | | 0.1 | |
| 145 (MS) ug/L | T | NS | NS | <W | <W | <W | <W | <W | | | | ug/L | |
| 146 METHYL PHENANTHRENE | R | NS | NS | <W | <W | <W | <W | <W | | | | 0.1 | |
| 146 (MS) ug/L | T | NS | NS | <W | <W | <W | <W | <W | | | | ug/L | |
| 147 PYRENE | R | NS | NS | <W | <W | <W | <W | <W | | | | 0.1 | |
| 147 (MS) ug/L | T | NS | NS | <W | <W | <W | <W | <W | | | | ug/L | |
| 148 DIPHENYL ETHER | R | NS | NS | <W | <W | <W | <W | <W | | | | 0.1 | |
| 148 (MS) ug/L | T | NS | NS | <W | <W | <W | <W | <W | | | | ug/L | |
| 149 DI-N-BUTYL PHTHALATE | R | NS | NS | <W | 0.7 | 0.2 | 0.1 | 0.9 | | | | 0.1 | 34000 |
| 149 (MS) ug/L | T | NS | NS | <W | 0.7 | X<T | 0.2 | 0.9 | | | | ug/L | ug/L e |
| 150 CL BIPHENYL | R | NS | NS | <W | <W | <W | <W | <W | | | | 0.1 | |
| 150 (MS) ug/L | T | NS | NS | <W | <W | <W | <W | <W | | | | ug/L | |
| 151 ATRAZINE | R | NS | NS | <W | <W | <W | <W | <W | | | | 0.1 | 46 |
| 151 (MS) ug/L | T | NS | NS | <W | <W | <W | <W | <W | | | | ug/L | ug/L ! |

**SARNIA WATER TREATMENT PLANT
1985-1986 DWSP DATA**

PAGE 15

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|-----------------------------|------|---|---------|-------|--------|-------|--------|--------|--------|-------|--------|--------------------|--|--------|
| | | | NOV 15 | DEC 2 | DEC 10 | JAN 6 | JAN 13 | JAN 20 | JAN 28 | FEB 3 | FEB 12 | | | FEB 17 |
| 152 BIPHENYL | | R | NS | NS | <W | <W | <W | <W | <W | | | | 0.1 | |
| 152 (MS) | ug/L | T | NS | NS | <W | <W | <W | <W | <W | | | | ug/L | |
| 153 ALIPHATIC HYDROCARBONS* | | R | NS | NS | <W | <W | <W | <W | <W | | | | 0.1 | |
| 153 (MS) | ug/L | T | NS | NS | <W | <W | <W | <W | <W | | | | ug/L | |
| 154 TRIMETHYL NAPHTHALENE** | | R | NS | NS | <W | <W | <W | <W | <W | | | | 0.1 | |
| 154 (MS) | ug/L | T | NS | NS | <W | <W | <W | <W | <W | | | | ug/L | |
| 155 DIMETHYL FLUORENE | | R | NS | NS | <W | <W | <W | <W | <W | | | | 0.1 | |
| 155 (MS) | ug/L | T | NS | NS | <W | <W | <W | <W | <W | | | | ug/L | |
| 156 BUTOXY ETHOXYETHANE | | R | NS | NS | <W | <W | <W | <W | <W | | | | 0.1 | |
| 156 (MS) | ug/L | T | NS | NS | <W | <W | <W | <W | <W | | | | ug/L | |
| 157 STYRENE | | R | NS | NS | <W | X<T | <W | <W | <W | | | | 0.1 | |
| 157 (MS) | ug/L | T | NS | NS | <W | <W | <W | <W | <W | | | | ug/L | |

* - Hydrocarbon "envelope" - total concentration is number given - number in brackets is an estimation of the number of compounds in the envelope

** - Number in brackets is number of isomers present

LAB - Chemistry (LAB)

FLD - Chemistry (FIELD)

BAC - Bacteriological

MS - Mass Spec. Ana.

MET - Metal

VOL - Volatiles

PST - PCB/OC Scan. Pesticides

CHA - Chloroaromatics

CHP - Chlorophenols

SPC - Specific Pesticides

TABLE A

SARNIA WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 1a

| PARAMETERS | | | D A T E | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|----------------|------|---|---------|-------|--------|-------|--------|--|--|--|--|--|--------------------|--|
| | | | FEB 23 | MAR 4 | MAR 19 | APR 8 | APR 22 | | | | | | | |
| 1 ALKALINITY | | R | 84.4 | 73.6 | 82.6 | 81.9 | | | | | | | 0.2 | |
| 1 (LAB) | mg/L | T | 78.6 | 74.8 | 75.8 | 75.0 | | | | | | | mg/L | |
| 2 ALUMINUM | | R | 0.022 | 0.018 | 0.047 | 0.023 | 0.068 | | | | | | 0.003 | |
| 2 (MET) | mg/L | T | 0.068 | 0.057 | 0.072 | 0.075 | 0.060 | | | | | | mg/L | |
| 3 ARSENIC | | R | <W | <W | <W | <W | <W | | | | | | 0.001 | 0.05 |
| 3 (MET) | mg/L | T | <W | <W | <W | <W | <W | | | | | | mg/L | mg/L |
| 4 BARIUM | | R | 0.012 | 0.011 | 0.011 | 0.011 | 0.012 | | | | | | 0.001 | 1 |
| 4 (MET) | mg/L | T | 0.012 | 0.011 | 0.011 | 0.011 | 0.012 | | | | | | mg/L | mg/L |
| 5 BORON | | R | <W | <W | <W | <W | <W | | | | | | 0.02 | 5 |
| 5 (MET) | mg/L | T | 0.02 | 0.02 | <W | <W | <W | | | | | | mg/L | mg/L |
| 6 BERYLLIUM | | R | <W | <W | <W | <W | <W | | | | | | 0.001 | |
| 6 (MET) | mg/L | T | <W | <W | <W | <W | <W | | | | | | mg/L | |
| 7 BENZENE | | R | <W | <W | <W | <W | <W | | | | | | 1 | 10 |
| 7 (VOL) | ug/L | T | <W | <W | <W | <W | <W | | | | | | ug/L | ug/L h |
| 8 TOLUENE | | R | <W | <W | <W | <W | <W | | | | | | 1 | 100 |
| 8 (VOL) | ug/L | T | <W | <W | <W | <W | <W | | | | | | ug/L | ug/L c |
| 9 ETHYLBENZENE | | R | <W | <W | <W | <W | <W | | | | | | 1 | 1400 |
| 9 (VOL) | ug/L | T | <W | <W | <W | <W | <W | | | | | | ug/L | ug/L e |
| 10 P-XYLENE | | R | <W | <W | <W | <W | <W | | | | | | 1 | 620 |
| 10 (VOL) | ug/L | T | <W | <W | <W | <W | <W | | | | | | ug/L | ug/L c |
| 11 M-XYLENE | | R | <W | <W | <W | <W | <W | | | | | | 1 | 620 |
| 11 (VOL) | ug/L | T | <W | <W | <W | <W | <W | | | | | | ug/L | ug/L c |

**SARNIA WATER TREATMENT PLANT
1986 DWSP DATA**

PAGE 2a

| PARAMETERS | | | DATE | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|----------------------|---------|---|--------|--------|--------|--------|--------|--|--|--|--|--|--------------------|--|
| | | | FEB 23 | MAR 4 | MAR 19 | APR 8 | APR 22 | | | | | | | |
| 12 O-XYLENE | | R | <W | <W | <W | <W | <W | | | | | | 1 ug/L | 620 |
| 12 (VOL) | ug/L | T | <W | <W | <W | <W | <W | | | | | | | ug/L c |
| 13 CALCIUM | | R | 29.0 | 27.2 | 28.0 | 26.8 | | | | | | | 0.1 mg/L | |
| 13 (LAB) | mg/L | T | 29.5 | 27.7 | 28.0 | 26.7 | | | | | | | | |
| 14 CYANIDE | | R | <W | <W | <W | <W | <W | | | | | | 0.001 | 0.2 |
| 14 (MET) | mg/L | T | <W | <W | <W | <W | <W | | | | | | mg/L | mg/L |
| 15 CADMIUM | | R | <W | <W | <W | <W | <W | | | | | | 0.0003 | 0.005 |
| 15 (MET) | mg/L | T | <W | <W | <W | <W | <W | | | | | | mg/L | mg/L |
| 16 CHLORIDE | | R | 5.6 | 5.2 | 6.25 | 5.05 | | | | | | | 0.2 | 250 |
| 16 (LAB) | mg/L | T | 6.4 | 6.4 | 7.15 | 6.80 | | | | | | | mg/L | mg/L |
| 17 COLOUR | TCU | R | 2.0 | 4.5 | EF | 0.5<T | | | | | | | 0.5 | 5 |
| 17 (LAB) | | T | 1.0<T | 3.5 | EF | <W | | | | | | | TCU | TCU |
| 18 CONDUCTIVITY | | R | 223.00 | 211.00 | 217.00 | 210.00 | | | | | | | 0.01 | |
| 18 (LAB) | umho/cm | T | 226.00 | 214.00 | 220.00 | 213.00 | | | | | | | UMHO/CM | |
| 19 COBALT | | R | <W | <W | <W | <W | <W | | | | | | 0.001 | |
| 19 (MET) | mg/L | T | <W | <W | <W | <W | <W | | | | | | mg/L | |
| 20 CHROMIUM | | R | 0.001 | 0.001 | 0.001 | 0.001 | <W | | | | | | 0.001 | 0.05 |
| 20 (MET) | mg/L | T | 0.002 | 0.004 | 0.002 | 0.002 | <W | | | | | | mg/L | mg/L |
| 21 COPPER | | R | 0.003 | 0.002 | 0.003 | 0.003 | 0.001 | | | | | | 0.001 | 1 |
| 21 (MET) | mg/L | T | 0.011 | 0.016 | 0.006 | 0.005 | 0.003 | | | | | | mg/L | mg/L |
| 22 F. COLIFORM MF | | R | 0 | 0 | 2 | 0 | 0 | | | | | | 0 | 0/0.1 |
| 22 (BAC) count/100mL | | T | NA | NA | NA | NA | NA | | | | | | | mL |

**SARNIA WATER TREATMENT PLANT
1986 DWSP DATA**

PAGE 3a

| PARAMETERS | | | D A T E | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|------------------------------|----------|---|---------|-------|--------|-------|--------|--|--|--|--|--|--------------------|--|
| | | | FEB 23 | MAR 4 | MAR 19 | APR 8 | APR 22 | | | | | | | |
| 23 IRON | | R | 0.031 | 0.018 | 0.064 | 0.037 | 0.097 | | | | | | 0.002 mg/L | 0.3 mg/L |
| 23 (MET) | mg/L | T | 0.040 | 0.053 | 0.077 | 0.020 | 0.003 | | | | | | | |
| 24 FLUORIDE | | R | 0.09 | 0.08 | 0.12 | 0.08 | | | | | | | 0.01 mg/L | 2.4 mg/L |
| 24 (LAB) | mg/L | T | 1.18 | 1.19 | 1.25 | 1.18 | | | | | | | | |
| 25 FIELD CHLORINE (COMBINED) | | R | NA | NA | NA | NA | NA | | | | | | | |
| 25 (FLD) | | T | 0.20 | 0.10 | 0.20 | 0.10 | 0.10 | | | | | | | |
| 26 FIELD CHLORINE (FREE) | | R | NA | NA | NA | NA | NA | | | | | | | |
| 26 (FLD) | | T | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | | | | | | | |
| 27 FIELD CHLORINE (TOTAL) | | R | NA | NA | NA | NA | NA | | | | | | | |
| 27 (FLD) | | T | 0.90 | 0.80 | 0.90 | 0.80 | 0.80 | | | | | | | |
| 28 FIELD PH | | R | 7.70 | 7.80 | 7.70 | 7.70 | 7.60 | | | | | | | |
| 28 (FLD) | | T | 7.20 | 7.30 | 7.00 | 7.20 | 7.10 | | | | | | | |
| 29 FIELD TEMPERATURE | | R | 0.0 | 0.0 | 0.0 | 3.0 | 4.0 | | | | | | | |
| 29 (FLD) | | T | 3.0 | 3.0 | 3.0 | 5.0 | 6.0 | | | | | | | |
| 30 FIELD TURBIDITY | | R | 0.90 | 0.50 | 0.64 | 0.55 | 2.90 | | | | | | | 1 FTU |
| 30 (FLD) | | T | 0.12 | 0.94 | 0.09 | 0.10 | 0.09 | | | | | | | |
| 31 HARDNESS | | R | 104.0 | 97.6 | 99.6 | 97.5 | | | | | | | 0.5 mg/L | |
| 31 (LAB) | mg/L | T | 105.0 | 99.6 | 100.0 | 97.0 | | | | | | | | |
| 32 STANDARD PLATE COUNT MF | | R | 300 | 10 | AW | 260 | 6 | | | | | | 0 | 500 orga- nisms per mL |
| 32 (BAC) | count/mL | T | 0 | 5 | AW | 2 | 2 | | | | | | | |
| 33 MERCURY | | R | 0.01 | 0.01 | <W | <W | <W | | | | | | 0.01 ug/L | 1 ug/L |
| 33 (MET) | ug/L | T | 0.01 | 0.01 | <W | 0.01 | <W | | | | | | | |

**SARNIA WATER TREATMENT PLANT
1986 DWSP DATA**

PAGE 4a

| PARAMETERS | | | DATE | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|----------------------------|------|---|--------|--------|--------|--------|--------|--|--|--|--|--|--------------------|--|
| | | | FEB 23 | MAR 4 | MAR 19 | APR 8 | APR 22 | | | | | | | |
| 34 MAGNESIUM | | R | 7.60 | 7.40 | 7.20 | 7.45 | | | | | | | 0.05 | |
| 34 (LAB) | mg/L | T | 7.70 | 7.40 | 7.30 | 7.30 | | | | | | | mg/L | |
| 35 MANGANESE | | R | 0.002 | 0.001 | 0.002 | 0.002 | 0.003 | | | | | | 0.001 | 0.05 |
| 35 (MET) | mg/L | T | 0.003 | 0.003 | 0.004 | 0.002 | 0.001 | | | | | | mg/L | mg/L |
| 36 MOLYBDENUM | | R | <W | <W | <W | <W | <W | | | | | | 0.001 | |
| 36 (MET) | mg/L | T | <W | <W | <W | <W | <W | | | | | | mg/L | |
| 37 SODIUM | | R | 4.0 | 3.5 | 3.6 | 3.3 | | | | | | | 0.1 | |
| 37 (LAB) | mg/L | T | 4.0 | 3.5 | 3.6 | 3.4 | | | | | | | mg/L | |
| 38 NICKEL | | R | <W | <W | 0.004 | <W | <W | | | | | | 0.002 | |
| 38 (MET) | mg/L | T | <W | <W | <W | <W | <W | | | | | | mg/L | |
| 39 AMMONIUM TOTAL | | R | <W | <W | <W | <W | | | | | | | 0.05 | |
| 39 (LAB) | mg/L | T | <W | <W | <W | <W | | | | | | | mg/L | |
| 40 NITRITE | | R | <W | <W | <W | 0.0120 | | | | | | | 0.005 | 1 mg/L |
| 40 (LAB) | mg/L | T | <W | <W | <W | 0.0085 | | | | | | | mg/L | as N |
| 41 NITRATE | | R | 0.475 | 0.340 | 0.400 | 0.335 | | | | | | | 0.05 | 10 mg/L |
| 41 (LAB) | mg/L | T | 0.465 | 0.340 | 0.355 | 0.350 | | | | | | | mg/L | as N |
| 42 NITROGEN TOTAL KJELDAHL | | R | 0.140 | 0.160 | 0.160 | 0.130 | | | | | | | 0.1 | 0.15 |
| 42 (LAB) | mg/L | T | <W | 0.140 | <W | 0.100 | | | | | | | mg/L | mg/L * |
| 43 PRESENCE/ABSENCE | | R | NA | NA | NA | NA | NA | | | | | | 0 | Absent |
| 43 (BAC) | | T | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | | | | | | | |
| 44 LEAD | | R | <W | <W | <W | <W | <W | | | | | | 0.003 | 0.05 |
| 44 (MET) | mg/L | T | <W | <W | <W | <W | <W | | | | | | mg/L | mg/L |

**SARNIA WATER TREATMENT PLANT
1986 DWSP DATA**

PAGE 5a

| PARAMETERS | | D A T E | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------------------------|---|---------|--------|--------|--------|--------|--|--|--|--|--|--------------------|--|
| | | FEB 23 | MAR 4 | MAR 19 | APR 8 | APR 22 | | | | | | | |
| 45 PH | R | 8.14 | 8.08 | 8.19 | 8.21 | | | | | | | | |
| 45 (LAB) | T | 7.57 | 7.57 | 7.77 | 7.63 | | | | | | | | |
| 46 PHOSPHORUS FILTERED REACTIVE | R | <W | <W | <W | <W | | | | | | | 0.01 | |
| 46 (LAB) mg/L | T | 0.0145 | 0.0160 | 0.0110 | 0.0105 | | | | | | | mg/L | |
| 47 PHOSPHORUS TOTAL | R | <W | <W | 0.013 | <W | | | | | | | 0.01 | |
| 47 (LAB) mg/L | T | 0.017 | 0.018 | 0.012 | 0.013 | | | | | | | mg/L | |
| 48 ALDRIN | R | <W | <W | <W | <W | <W | | | | | | 1 | 700 |
| 48 (PST) ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | ng/L ** |
| 49 ALPHA BHC | R | 2<T | 2<T | 2<T | 2<T | <W | | | | | | 1 | 700 |
| 49 (PST) ng/L | T | 3<T | 3<T | 7<T | 7<T | <W | | | | | | ng/L | ng/L c |
| 50 BETA BHC | R | <W | <W | <W | <W | <W | | | | | | 1 | 300 |
| 50 (PST) ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | ng/L c |
| 51 LINDANE | R | <W | <W | <W | <W | <W | | | | | | 1 | 4000 |
| 51 (PST) ng/L | T | <W | <W | 3<T | 3<T | <W | | | | | | ng/L | ng/L |
| 52 ALPHA CHLORDANE | R | <W | <W | <W | <W | <W | | | | | | 2 | 700 |
| 52 (PST) ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | ng/L *** |
| 53 GAMMA CHLORDANE | R | <W | <W | <W | <W | <W | | | | | | 2 | 700 |
| 53 (PST) ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | ng/L *** |
| 54 DIELDRIN | R | <W | <W | <W | <W | <W | | | | | | 2 | 700 |
| 54 (PST) ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | ng/L ** |
| 55 METHOXYCHLOR | R | <W | <W | <W | <W | <W | | | | | | 5 | 100000 |
| 55 (PST) ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | ng/L |

**SARNIA WATER TREATMENT PLANT
1986 DWSP DATA**

PAGE 6a

| PARAMETERS | | | D A T E | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-----------------------|------|---|---------|-------|--------|-------|--------|--|--|--|--|--|--------------------|--|
| | | | FEB 23 | MAR 4 | MAR 19 | APR 8 | APR 22 | | | | | | | |
| 56 ENDRIN | | R | <W | <W | <W | <W | <W | | | | | | 4 | 200 |
| 56 (PST) | ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | ng/L |
| 57 THIODAN SULPHATE | | R | <W | <W | <W | <W | <W | | | | | | 4 | |
| 57 (PST) | ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | |
| 58 THIODAN I | | R | <W | <W | <W | <W | <W | | | | | | 2 | 74000 |
| 58 (PST) | ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | ng/L ea |
| 59 THIODAN II | | R | <W | <W | <W | <W | <W | | | | | | 4 | 74000 |
| 59 (PST) | ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | ng/L ea |
| 60 METHYLPARATHION | | R | + | + | + | + | + | | | | | | 50 | 7000 |
| 60 (SPC) | | T | + | + | + | + | + | | | | | | ng/L | ng/L |
| 61 PARATHION | | R | + | + | + | + | + | | | | | | 50 | 35000 |
| 61 (SPC) | | T | + | + | + | + | + | | | | | | ng/L | ng/L |
| 62 HEPTACHLOR EPOXIDE | | R | <W | <W | <W | <W | <W | | | | | | 1 | 3000 +++ |
| 62 (PST) | ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | ng/L |
| 63 HEPTACHLOR | | R | <W | <W | <W | <W | <W | | | | | | 1 | 3000 |
| 63 (PST) | ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | ng/L +++ |
| 64 MIREX | | R | <W | <W | <W | <W | <W | | | | | | 5 | |
| 64 (PST) | ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | |
| 65 OXYCHLORDANE | | R | <W | <W | <W | <W | <W | | | | | | 2 | |
| 65 (PST) | ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | |
| 66 O, P, -DDT | | R | <W | <W | <W | <W | <W | | | | | | 5 | 30000 |
| 66 (PST) | ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | ng/L d |

**SARNIA WATER TREATMENT PLANT
1986 DWSP DATA**

PAGE 7a

| PARAMETERS | | | D A T E | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------|------|---|---------|-------|--------|-------|--------|--|--|--|--|--|--------------------|--|
| | | | FEB 23 | MAR 4 | MAR 19 | APR 8 | APR 22 | | | | | | | |
| 67 PCB | | R | <W | <W | <W | <W | <W | | | | | | 20 | 3000 |
| 67 (PST) | ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | ng/L t |
| 68 P,P-DDD | | R | <W | <W | <W | <W | <W | | | | | | 5 | d |
| 68 (PST) | ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | |
| 69 P,P-DDE | | R | <W | <W | <W | <W | <W | | | | | | 1 | d |
| 69 (PST) | ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | |
| 70 P,P-DDT | | R | <W | <W | <W | <W | <W | | | | | | 5 | d |
| 70 (PST) | ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | |
| 71 AMETRINE | | R | + | + | + | + | + | | | | | | 50 | |
| 71 (SPC) | ng/L | T | + | + | + | + | + | | | | | | ng/L | |
| 72 ATRAZINE | | R | + | + | + | + | + | | | | | | 50 | 46000 |
| 72 (SPC) | ng/L | T | + | + | + | + | + | | | | | | ng/L | ng/L ! |
| 73 DIAZINON | | R | + | + | + | + | + | | | | | | 50 | 14000 |
| 73 (SPC) | ng/L | T | + | + | + | + | + | | | | | | ng/L | ng/L |
| 74 BLADEX | | R | + | + | + | + | + | | | | | | 100 | 10000 |
| 74 (SPC) | ng/L | T | + | + | + | + | + | | | | | | ng/L | ng/L ! |
| 75 PROMETONE | | R | + | + | + | + | + | | | | | | 50 | |
| 75 (SPC) | ng/L | T | + | + | + | + | + | | | | | | ng/L | |
| 76 PROPAZINE | | R | + | + | + | + | + | | | | | | 50 | |
| 76 (SPC) | ng/L | T | + | + | + | + | + | | | | | | ng/L | |
| 77 PROMETRYNE | | R | + | + | + | + | + | | | | | | 50 | 1000 |
| 77 (SPC) | ng/L | T | + | + | + | + | + | | | | | | ng/L | ng/L ! |

SARNIA WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 8a

| PARAMETERS | | | DATE | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-------------------------|------|---|--------|-------|--------|-------|--------|--|--|--|--|--|--------------------|--|
| | | | FEB 23 | MAR 4 | MAR 19 | APR 8 | APR 22 | | | | | | | |
| 78 SENCOR | | R | + | + | + | + | + | | | | | | 100 | |
| 78 (SPC) | ng/L | T | + | + | + | + | + | | | | | | ng/L | |
| 79 SIMAZINE | | R | + | + | + | + | + | | | | | | 50 | 10000 |
| 79 (SPC) | ng/L | T | + | + | + | + | + | | | | | | ng/L | ! |
| 80 DICAMBA | | R | + | + | + | + | + | | | | | | 100 | 87000 |
| 80 (SPC) | ng/L | T | + | + | + | + | + | | | | | | ng/L | ! |
| 81 PICLORAM | | R | + | + | + | + | + | | | | | | 100 | |
| 81 (SPC) | ng/L | T | + | + | + | + | + | | | | | | ng/L | |
| 82 SILVEX | | R | + | + | + | + | + | | | | | | 50 | 10000 |
| 82 (SPC) | ng/L | T | + | + | + | + | + | | | | | | ng/L | |
| 83 2,4-D | | R | + | + | + | + | + | | | | | | 100 | 100000 |
| 83 (SPC) | ng/L | T | + | + | + | + | + | | | | | | ng/L | |
| 84 2,4-D BUTYRIC ACID | | R | + | + | + | + | + | | | | | | 200 | 18000 |
| 84 (SPC) | ng/L | T | + | + | + | + | + | | | | | | ng/L | ! |
| 85 2,4-D PROPIONIC ACID | | R | + | + | + | + | + | | | | | | 100 | |
| 85 (SPC) | ng/L | T | + | + | + | + | + | | | | | | ng/L | |
| 86 2,4,5-T | | R | + | + | + | + | + | | | | | | 50 | |
| 86 (SPC) | ng/L | T | + | + | + | + | + | | | | | | ng/L | |
| 87 TOTAL SOLIDS | | R | 144 | 137 | 141 | 126 | | | | | | | 1 | |
| 87 (LAB) | mg/L | T | 145 | 139 | 143 | 138 | | | | | | | mg/L | |
| 88 SELENIUM | | R | <W | <W | <W | <W | <W | | | | | | 0.001 | 0.01 |
| 88 (MET) | mg/L | T | <W | <W | <W | <W | <W | | | | | | mg/L | |

**SARNIA WATER TREATMENT PLANT
1986 DWSP DATA**

PAGE 9a

| PARAMETERS | | | D A T E | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------------------------|-------------|---|---------|--------|--------|--------|--------|--|--|--|--|--|--------------------|--|
| | | | FEB 23 | MAR 4 | MAR 19 | APR 8 | APR 22 | | | | | | | |
| 89 STRONTIUM | | R | 0.096 | 0.092 | 0.098 | 0.091 | 0.088 | | | | | | 0.001 | |
| 89 (MET) | mg/L | T | 0.095 | 0.091 | 0.097 | 0.092 | 0.083 | | | | | | mg/L | |
| 90 TOTAL COLIFORM MF | | R | 2 | <2 | 1100 | <2 | 4 | | | | | | 0 | ODWO |
| 90 (BAC) | count/100mL | T | 0 | 0 | 0 | 0 | 0 | | | | | | | Bacti |
| 91 TOTAL COLIFORM BACKGROUND MF | | R | 68 | 2 | 5800 | 54 | 120 | | | | | | 0 | OWDO |
| 91 (BAC) | count/100mL | T | 0 | 0 | 0 | 0 | 0 | | | | | | | Bacti |
| 92 TURBIDITY | | R | 0.95<T | 0.36<T | 2.00 | 1.40 | | | | | | | 0.01 | 1 |
| 92 (LAB) | FTU | T | 0.17<T | 0.15<T | 0.34<T | 0.35<T | | | | | | | FTU | FTU |
| 93 URANIUM | | R | <W | <W | <W | <W | <W | | | | | | 0.002 | .02 |
| 93 (MET) | mg/L | T | <W | <W | <W | <W | <W | | | | | | mg/L | mg/L t |
| 94 VANADIUM | | R | 0.003 | <W | <W | <W | <W | | | | | | 0.001 | |
| 94 (MET) | mg/L | T | 0.004 | <W | <W | <W | <W | | | | | | mg/L | |
| 95 HEXACHLOROBUTADIENE | | R | <W | <W | <W | <W | <W | | | | | | 1 | 4500 |
| 95 (CHA) | ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | ng/L e |
| 96 1,1-DICHLOROETHYLENE | | R | <W | <W | <W | <W | <W | | | | | | 1 | .3 |
| 96 (VOL) | ug/L | T | <W | <W | <W | <W | <W | | | | | | ug/L | ug/L h |
| 97 T,1,2-DICHLOROETHYLENE | | R | <W | <W | <W | <W | <W | | | | | | 1 | |
| 97 (VOL) | ug/L | T | <W | <W | <W | <W | <W | | | | | | ug/L | |
| 98 1,1-DICHLOROETHANE | | R | <W | <W | <W | <W | <W | | | | | | 1 | |
| 98 (VOL) | ug/L | T | <W | <W | <W | <W | <W | | | | | | ug/L | |
| 99 CHLOROFORM | | R | <W | <W | <W | <W | <W | | | | | | 1 | 350 |
| 99 (VOL) | ug/L | T | 19 | 17 | 19 | 29 | 18 | | | | | | ug/L | ug/L ++ |

**SARNIA WATER TREATMENT PLANT
1986 DWSP DATA**

PAGE 10a

| PARAMETERS | | | D A T E | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------------------|---|----|---------|-------|--------|-------|--------|--|--|--|--|--|--------------------|--|
| | | | FEB 23 | MAR 4 | MAR 19 | APR 8 | APR 22 | | | | | | | |
| 100 DICHLOROMETHANE | R | CS | CS | CS | CS | <W | <W | | | | | | 5 | 40 |
| 100 (VOL) ug/L | T | <W | CS | CS | CS | <W | 18 | | | | | | ug/L | ug/L c |
| 101 1,1,1-TRICHLOROETHANE | R | <W | <W | <W | <W | <W | CS | | | | | | 1 | 1000 |
| 101 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | | | | | | ug/L | ug/L c |
| 102 1,2-DICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | | | | | | 1 | 10 |
| 102 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | | | | | | ug/L | ug/L h |
| 103 CARBON TETRACHLORIDE | R | <W | <W | <W | <W | <W | <W | | | | | | 1 | 3 |
| 103 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | | | | | | ug/L | ug/L h |
| 104 1,2 DICHLOROPROPANE | R | <W | <W | <W | <W | <W | <W | | | | | | 1 | |
| 104 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | | | | | | ug/L | |
| 105 TRICHLOROETHYLENE | R | <W | <W | <W | <W | <W | <W | | | | | | 1 | 30 |
| 105 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | | | | | | ug/L | ug/L h |
| 106 DICHLOROBROMOMETHANE | R | <W | <W | <W | <W | <W | <W | | | | | | 1 | 350 |
| 106 (VOL) ug/L | T | 9 | 8 | 9 | 11 | 7 | | | | | | | ug/L | ug/L ++ |
| 107 1,1,2-TRICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | | | | | | 1 | 6 |
| 107 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | | | | | | ug/L | ug/L e |
| 108 CHLORODIBROMOMETHANE | R | <W | <W | <W | <W | <W | <W | | | | | | 1 | 350 |
| 108 (VOL) ug/L | T | 8 | 8 | 9 | 12 | 8 | | | | | | | ug/L | ug/L ++ |
| 109 TETRACHLOROETHYLENE | R | <W | <W | <W | <W | <W | <W | | | | | | 1 | 10 |
| 109 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | | | | | | ug/L | ug/L h |
| 110 BROMOFORM | R | <W | <W | <W | <W | <W | <W | | | | | | 1 | 350 |
| 110 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | | | | | | ug/L | ug/L ++ |

**SARNIA WATER TREATMENT PLANT
1986 DWSP DATA**

PAGE 11a

| PARAMETERS | | | D A T E | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-------------------------------|---|----|---------|-------|--------|-------|--------|--|--|--|--------------------|--|
| | | | FEB 23 | MAR 4 | MAR 19 | APR 8 | APR 22 | | | | | |
| 111 1,1,2,2-TETRACHLOROETHANE | R | <W | <W | <W | <W | <W | | | | | 1 | 1.7 |
| 111 (VOL) ug/L | T | <W | <W | <W | <W | <W | | | | | ug/L | ug/L e |
| 112 HEXACHLOROBENZENE | R | <W | <W | <W | <W | <W | | | | | 1 | 10 |
| 112 (PST) ng/L | T | <W | <W | <W | <W | <W | | | | | ng/L | ng/L h |
| 113 HEXACHLOROETHANE | R | <W | <W | <W | <W | <W | | | | | 1 | 19000 |
| 113 (CHA) ng/L | T | <W | <W | <W | <W | <W | | | | | ng/L | ng/L e |
| 114 OCTACHLOROSTYRENE | R | <W | <W | <W | <W | <W | | | | | 1 | |
| 114 (CHA) ng/L | T | <W | <W | <W | <W | <W | | | | | ng/L | |
| 115 PENTACHLOROBENZENE | R | <W | <W | <W | <W | <W | | | | | 1 | 74000 |
| 115 (CHA) ng/L | T | <W | <W | <W | <W | <W | | | | | ng/L | ng/L e |
| 116 TOTAL TRIHALOMETHANES | R | <W | <W | <W | <W | <W | | | | | 3 | 350 |
| 116 (VOL) ug/L | T | 36 | 33 | 37 | 52 | 33 | | | | | ug/L | ug/L ++ |
| 117 2,3,6-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | | | | | 5 | |
| 117 (CHA) ng/L | T | <W | <W | <W | <W | <W | | | | | ng/L | |
| 118 2,4,5-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | | | | | 5 | 10000 |
| 118 (CHA) ng/L | T | <W | <W | <W | <W | <W | | | | | ng/L | ng/L g |
| 119 2,6,A-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | | | | | 5 | |
| 119 (CHA) mg/L | T | <W | <W | <W | <W | <W | | | | | ng/L | |
| 120 CHLOROBENZENE | R | <W | <W | <W | <W | <W | | | | | 1 | 100-300 |
| 120 (VOL) ug/L | T | <W | <W | <W | <W | <W | | | | | ng/L | ng/L h* |
| 121 1,4-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | | | | | 1 | 400 |
| 121 (VOL) ug/L | T | <W | <W | <W | <W | <W | | | | | ug/L | ug/L e |

**SARNIA WATER TREATMENT PLANT
1986 DWSP DATA**

PAGE 12a

| PARAMETERS | | | DATE | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|--------------------------------|---|----|--------|-------|--------|-------|--------|--|--|--|--------------------|--|
| | | | FEB 23 | MAR 4 | MAR 19 | APR 8 | APR 22 | | | | | |
| 122 1,3-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | | | | 1 | 400 |
| 122 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | | | | ug/L | ug/L e |
| 123 1,2-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | | | | 1 | 400 |
| 123 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | | | | ug/L | ug/L e |
| 124 TRIFLUOROCHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | | | | 1 | |
| 124 (CHA) ug/L | T | <W | <W | <W | <W | <W | <W | | | | ug/L | |
| 125 1,2,3-TRICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | | | | 5 | 10000 |
| 125 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | | | | ng/L | ng/L y |
| 126 1,2,3,4-TETRACHLOROBENZENE | R | <W | <W | | <W | <W | <W | | | | 1 | |
| 126 (CHA) ng/L | T | <W | <W | | <W | <W | <W | | | | ng/L | |
| 127 1,2,3,5-TETRACHLOROBENZENE | R | <W | <W | | <W | <W | <W | | | | 1 | |
| 127 (CHA) ng/L | T | <W | <W | | <W | <W | <W | | | | ng/L | |
| 128 1,2,4-TRICHLOROBENZENE | R | <W | <W | | <W | <W | <W | | | | 5 | 15000 |
| 128 (CHA) ng/L | T | <W | <W | | <W | <W | <W | | | | ng/L | ng/L y |
| 129 1,2,4,5-TETRACHLOROBENZENE | R | <W | <W | | <W | <W | <W | | | | 1 | 38000 |
| 129 (CHA) ng/L | T | <W | <W | | <W | <W | <W | | | | ng/L | ng/L e |
| 130 1,3,5-TRICHLOROBENZENE | R | <W | <W | | <W | <W | <W | | | | 5 | 10000 |
| 130 (CHA) ng/L | T | <W | <W | | <W | <W | <W | | | | ng/L | ng/L y |
| 131 PENTACHLOROPHENOL | R | + | + | + | + | + | + | | | | 50 | 10000 |
| 131 (CHP) ng/L | T | + | + | + | + | + | + | | | | ng/L | ng/L h |
| 132 2,3,4-TRICHLOROPHENOL | R | + | + | + | + | + | + | | | | 100 | |
| 132 (CHP) ng/L | T | + | + | + | + | + | + | | | | ng/L | |

PAGE 13a

[illegible]

PAGE 14a

[illegible]

**SARNIA WATER TREATMENT PLANT
1986 DWSP DATA**

PAGE 15a

| PARAMETERS | | D A T E | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-------------------------|---|---------|-------|--------|-------|--------|--|--|--|--|--|--------------------|--|
| | | FEB 23 | MAR 4 | MAR 19 | APR 8 | APR 22 | | | | | | | |
| 155 DIMETHYL FLUORENE | R | | | | | | | | | | | 0.1 | |
| 155 (MS) ug/L | T | | | | | | | | | | | ug/L | |
| 156 BUTOXY ETHOXYETHANE | R | | | | | | | | | | | 0.1 | |
| 156 (MS) ug/L | T | | | | | | | | | | | ug/L | |
| 157 STYRENE | R | | | | | | | | | | | 0.1 | |
| 157 (MS) ug/L | T | | | | | | | | | | | ug/L | |

* - Hydrocarbon "envelope" - total concentration is number given - number in brackets is an estimation of the number of compounds in the envelope

** - Number in brackets is number of isomers present

LAB - Chemistry (LAB)

FLD - Chemistry (FIELD)

BAC - Bacteriological

MS - Mass Spec. Ana.

MET - Metal

VOL - Volatiles

PST - PCB/OC Scan. Pesticides

CHA - Chloroaromatics

CHP - Chlorophenols

SPC - Specific Pesticides

TABLE A

STONEY POINT WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 1

| PARAMETERS | | | D A T E | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|----------------|------|---|---------|-------|-------|-------|-------|-------|-------|--------|-------|--------|--------------------|--|
| | | | JUN 6 | JUL 2 | AUG 6 | SEP 3 | OCT 8 | NOV 4 | DEC 2 | DEC 17 | JAN 6 | JAN 15 | | |
| 1 ALKALINITY | | R | 105.0 | 91.8 | 86.6 | 83.4 | 91.8 | 84.2 | 128.0 | 104.4 | 114.8 | 115.4 | 0.2 | |
| 1 (LAB) | mg/L | T | 85.4 | 72.8 | 68.4 | 69.8 | 71.6 | 72.4 | 102.0 | 76.8 | 95.4 | 58.8 | mg/L | |
| 2 ALUMINUM | | R | 2.100 | 0.033 | 0.250 | 0.140 | 0.450 | 0.220 | 2.100 | 1.300 | 0.061 | 0.150 | 0.003 | |
| 2 (MET) | mg/L | T | 0.075 | 0.047 | 0.048 | 0.067 | <W | 0.045 | 0.150 | 0.130 | 0.180 | 0.065 | mg/L | |
| 3 ARSENIC | | R | <W | <W | <W | <W | <W | <W | 0.001 | <W | <W | <W | 0.001 | 0.05 |
| 3 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | mg/L |
| 4 BARIUM | | R | 0.027 | 0.017 | 0.017 | 0.017 | 0.018 | 0.018 | 0.027 | 0.018 | 0.013 | 0.015 | 0.001 | 1 |
| 4 (MET) | mg/L | T | 0.013 | 0.015 | 0.017 | 0.013 | 0.007 | 0.016 | 0.015 | 0.013 | 0.016 | 0.015 | mg/L | mg/L |
| 5 BORON | | R | 0.05 | 0.31 | 0.06 | <W | <W | 0.02 | 0.03 | 0.04 | 0.04 | 0.06 | 0.02 | 5 |
| 5 (MET) | mg/L | T | <W | 0.28 | 0.09 | <W | <W | <W | 0.04 | 0.08 | 0.04 | 0.05 | mg/L | mg/L |
| 6 BERYLLIUM | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 0.001 | |
| 6 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | |
| 7 BENZENE | | R | <W | <W | <W | <W | <W | <W | <W | NSS | <W | <W | 1 | 10 |
| 7 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | BT | <W | ug/L | ug/L h |
| 8 TOLUENE | | R | <W | <W | <W | <W | <W | <W | <W | NSS | <W | <W | 1 | 100 |
| 8 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | BT | <W | ug/L | ug/L c |
| 9 ETHYLBENZENE | | R | <W | <W | <W | <W | <W | <W | <W | NSS | <W | <W | 1 | 1400 |
| 9 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | BT | <W | ug/L | ug/L e |
| 10 P-XYLENE | | R | <W | <W | <W | <W | <W | <W | <W | NSS | <W | <W | 1 | 620 |
| 10 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | BT | <W | ug/L | ug/L c |
| 11 M-XYLENE | | R | <W | <W | <W | <W | <W | <W | <W | NSS | <W | <W | 1 | 620 |
| 11 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | BT | <W | ug/L | ug/L c |

STONEY POINT WATER TREATMENT PLANT 1985-1986 DWSP DATA

PAGE 2

| PARAMETERS | | | DATE | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/GUIDELINE ¹ | |
|-------------------|-------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|---|------------|
| | | | JUN 6 | JUL 2 | AUG 6 | SEP 3 | OCT 8 | NOV 4 | DEC 2 | DEC 17 | JAN 6 | | | JAN 15 |
| 12 O-XYLENE | | R | <W | <W | <W | <W | <W | <W | <W | NSS | <W | <W | 1 ug/L | 620 ug/L |
| 12 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | BT | <W | | |
| 13 CALCIUM | | R | 35.0 | 26.0 | 27.8 | 35.0 | 31.0 | 28.5 | 49.0 | 39.5 | 42.0 | 43.5 | 0.1 mg/L | |
| 13 (LAB) | mg/L | T | 36.5 | 27.0 | 29.2 | 31.2 | 32.0 | 29.5 | 50.2 | 40.0 | 42.4 | 43.8 | | |
| 14 CYANIDE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 0.001 mg/L | 0.2 mg/L |
| 14 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | | |
| 15 CADMIUM | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 0.0003 mg/L | 0.005 mg/L |
| 15 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | | |
| 16 CHLORIDE | | R | 12.8 | 7.8 | 9.0 | 16.8 | 9.6 | 8.0 | 14.4 | 11.4 | 13.6 | 14.0 | 0.2 mg/L | 250 mg/L |
| 16 (LAB) | mg/L | T | 14.2 | 10.8 | 17.6 | 13.6 | 12.2 | 10.8 | 16.4 | 13.2 | 16.2 | 15.0 | | |
| 17 COLOUR | TCU | R | 7.0 | 6.5 | 4.5 | 9.0 | 13.0 | 10.0 | 32.5 | 19.0 | 15.5 | 14.0 | 0.5 TCU | 5 TCU |
| 17 (LAB) | | T | 1.0<T | 1.0<T | 0.5<T | 0.5<T | <W | 0.5<T | 2.0 | 0.5<T | 0.5<T | <W | | |
| 18 CONDUCTIVITY | | R | 279.00 | 242.00 | 243.00 | 307.00 | 248.00 | 229.00 | 363.00 | 309.00 | 322.00 | 324.00 | 0.01 UMHO/CM | |
| 18 (LAB) | umho/cm | T | 294.00 | 256.00 | 266.00 | 263.00 | 259.00 | 243.00 | 385.00 | 323.00 | 329.00 | 346.00 | | |
| 19 COBALT | | R | 0.010 | 0.017 | <W | <W | <W | <W | 0.003 | 0.002 | <W | <W | 0.001 mg/L | |
| 19 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | | |
| 20 CHROMIUM | | R | 0.003 | 0.001 | <W | 0.002 | <W | 0.001 | 0.006 | 0.003 | 0.002 | 0.002 | 0.001 mg/L | 0.05 mg/L |
| 20 (MET) | mg/L | T | <W | <W | <W | 0.002 | <W | <W | 0.002 | 0.001 | 0.002 | 0.002 | | |
| 21 COPPER | | R | 0.009 | 0.014 | 0.003 | 0.004 | 0.014 | 0.019 | 0.010 | 0.009 | 0.006 | 0.007 | 0.001 mg/L | 1 mg/L |
| 21 (MET) | mg/L | T | <W | 0.002 | 0.003 | 0.004 | <W | 0.002 | 0.004 | 0.004 | 0.009 | 0.004 | | |
| 22 F. COLIFORM MF | | R | 4 | 0 | 0 | 1 | 1 | 8 | 12 | 21 | 0 | 0 | 0 | 0/0.1 mL |
| 22 (BAC) | count/100mL | T | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |

STONEY POINT WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 3

| PARAMETERS | | | D A T E | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | | |
|------------------------------|----------|---|---------|-------|-------|-------|-------|-------|-------|--------|--------------------|--|-------|-----------------|
| | | | JUN 6 | JUL 2 | AUG 6 | SEP 3 | OCT 8 | NOV 4 | DEC 2 | DEC 17 | | | JAN 6 | JAN 15 |
| 23 IRON | | R | !AD | 0.040 | 0.280 | 0.190 | 0.530 | 0.350 | 2.100 | 0.960 | 0.006 | 0.130 | 0.002 | 0.3 |
| 23 (MET) | mg/L | T | <W | 0.012 | 0.004 | <W | 0.005 | 0.007 | 0.034 | 0.015 | 0.180 | <W | mg/L | mg/L |
| 24 FLUORIDE | | R | 0.10 | 0.09 | 0.09 | 0.17 | 0.11 | 0.10 | 0.14 | 0.11 | 0.13 | 0.12 | 0.01 | 2.4 |
| 24 (LAB) | mg/L | T | 0.08 | 0.07 | 0.07 | 0.08 | 0.07 | 0.08 | 0.08 | 0.06 | 0.11 | 0.03<T | mg/L | mg/L |
| 25 FIELD CHLORINE (COMBINED) | | R | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 25 (FLD) | | T | 0.10 | 1.30 | 1.70 | 1.50 | NS | 0.15 | 1.20 | NS | 1.40 | NS | | |
| 26 FIELD CHLORINE (FREE) | | R | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 26 (FLD) | | T | 0.40 | 0.20 | 1.50 | 1.35 | 1.50 | 1.50 | 1.50 | NS | 1.50 | >1.00 | | |
| 27 FIELD CHLORINE (TOTAL) | | R | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 27 (FLD) | | T | 0.50 | 1.50 | 3.20 | 2.85 | NS | 1.65 | 2.70 | >1.00 | 1.90 | >1.00 | | |
| 28 FIELD PH | | R | NS | NS | 7.80 | 7.65 | 7.80 | 7.65 | 7.80 | 7.90 | 7.40 | 7.80 | | |
| 28 (FLD) | | T | NS | NS | 7.40 | 7.40 | 7.30 | 7.40 | 7.40 | 7.40 | 7.20 | 7.30 | | |
| 29 FIELD TEMPERATURE | | R | 18.5 | 20.5 | 21.0 | 21.5 | 37.5 | 12.0 | 4.0 | 1.0 | 3.0 | 4.0 | | |
| 29 (FLD) | | T | 18.5 | 20.5 | 21.0 | 21.5 | 37.5 | 11.5 | 4.0 | 2.0 | 3.5 | 5.0 | | |
| 30 FIELD TURBIDITY | | R | 42.00 | 14.00 | NS | 38.00 | 30.00 | 18.00 | NS | NS | 3.00 | 3.00 | | 1 FTU |
| 30 (FLD) | | T | 3.00 | 0.10 | 0.00 | 0.10 | 0.00 | 0.00 | 0.04 | NS | 1.00 | 0.10 | | |
| 31 HARDNESS | | R | 124.0 | 97.0 | 102.0 | 128.0 | 110.0 | 102.0 | 166.0 | 137.0 | 148.0 | 151.0 | 0.5 | |
| 31 (LAB) | mg/L | T | 128.0 | 99.5 | 108.0 | 112.0 | 112.0 | 105.0 | 169.0 | 138.0 | 148.0 | 152.0 | mg/L | |
| 32 STANDARD PLATE COUNT MF | | R | 650 | 1600 | >2400 | >2400 | 350 | 940 | >2400 | 460 | 143 | AW | 0 | 500 orga- |
| 32 (BAC) | count/mL | T | 0 | 250 | 3 | !AD | 1 | 15 | 11 | 1 | 0 | AW | | nisms per mL |
| 33 MERCURY | | R | <W | <W | 0.01 | 0.06 | 0.04 | 0.05 | 0.02 | 0.01 | 0.05 | 0.01 | 0.01 | 1 |
| 33 (MET) | ug/L | T | <W | <W | 0.03 | 0.03 | 0.04 | 0.04 | <W | <W | 0.05 | 0.05 | ug/L | ug/L |

STONEY POINT WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 4

| PARAMETERS | | | D A T E | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | | |
|----------------------------|------|---|---------|--------|--------|--------|--------|--------|--------|---------|--------------------|--|-------|----------------|
| | | | JUN 6 | JUL 2 | AUG 6 | SEP 3 | OCT 8 | NOV 4 | DEC 2 | DEC 17 | | | JAN 6 | JAN 15 |
| 34 MAGNESIUM | | R | 8.90 | 7.80 | 7.80 | 9.80 | 7.90 | 7.50 | 10.70 | 9.40 | 10.30 | 10.30 | 0.05 | 0.05 mg/L |
| 34 (LAB) | mg/L | T | 8.90 | 7.80 | 8.40 | 8.30 | 7.90 | 7.70 | 10.60 | 9.20 | 10.25 | 10.35 | mg/L | |
| 35 MANGANESE | | R | 0.050 | 0.013 | 0.010 | 0.019 | 0.013 | 0.011 | 0.044 | 0.013 | 0.002 | 0.004 | 0.001 | |
| 35 (MET) | mg/L | T | <W | <W | 0.001 | <W | <W | 0.001 | 0.002 | 0.003 | 0.005 | 0.003 | mg/L | |
| 36 MOLYBDENUM | | R | 0.001 | 0.002 | <W | 0.002 | <W | <W | 0.001 | 0.001 | <W | <W | 0.001 | 0.05 mg/L |
| 36 (MET) | mg/L | T | <W | 0.001 | 0.001 | 0.002 | <W | <W | 0.002 | 0.001 | <W | <W | mg/L | |
| 37 SODIUM | | R | 8.3 | 6.2 | 5.8 | 9.6 | 6.0 | 5.0 | 7.0 | 7.8 | 7.5 | 7.0 | 0.1 | |
| 37 (LAB) | mg/L | T | 7.5 | 6.0 | 6.5 | 6.4 | 5.9 | 5.5 | 6.8 | 7.0 | 7.5 | 7.5 | mg/L | |
| 38 NICKEL | | R | 0.002 | <W | <W | 0.002 | 0.002 | <W | 0.005 | 0.003 | <W | <W | 0.002 | 0.05 mg/L |
| 38 (MET) | mg/L | T | <W | <W | <W | 0.002 | <W | <W | <W | <W | 0.002 | <W | mg/L | |
| 39 AMMONIUM TOTAL | | R | 0.10<T | <W | <W | 0.20<T | <W | 0.20<T | 0.05<T | <W | <W | <W | 0.05 | |
| 39 (LAB) | mg/L | T | 0.10<T | <W | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | |
| 40 NITRITE | | R | .005<T | .010<T | .010<T | .015<T | <W | .010<T | .030<T | 0.020<T | 0.008 | 0.011 | 0.005 | 1 mg/L as N |
| 40 (LAB) | mg/L | T | .005<T | <W | <W | <W | <W | <W | .010<T | <W | <W | <W | mg/L | |
| 41 NITRATE | | R | NR | NR | NR | NR | 0.50 | 0.20<T | 2.70 | 1.35 | 1.41 | 1.54 | 0.05 | |
| 41 (LAB) | mg/L | T | NR | NR | NR | NR | 0.40 | NR | 2.65 | 1.35 | 1.37 | 1.55 | mg/L | |
| 42 NITROGEN TOTAL KJELDAHL | | R | 0.5<T | 0.4<T | 0.3<T | 0.6<T | 0.3<T | 0.2<T | 0.75 | 0.40<T | 0.28 | 0.27 | 0.1 | 0.15 mg/L * |
| 42 (LAB) | mg/L | T | 0.2<T | 0.2<T | <W | 0.2<T | 0.1<T | 0.1<T | 0.3<T | 0.10<T | 0.16 | <W | mg/L | |
| 43 PRESENCE/ABSENCE | | R | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0 | |
| 43 (BAC) | | T | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | | |
| 44 LEAD | | R | <W | <W | <W | <W | 0.004 | <W | 0.005 | 0.004 | <W | <W | 0.003 | 0.05 mg/L |
| 44 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | |

PAGE 5

| PARAMETERS | | | DATE | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/GUIDELINE ¹ | |
|---------------------------------|---|--------|--------|--------|--------|-------|--------|--------|---------|--------|-----------------|---|----------|
| | | | JUN 6 | JUL 2 | AUG 6 | SEP 3 | OCT 8 | NOV 4 | DEC 2 | DEC 17 | | | JAN 6 |
| 45 PH | R | 8.12 | 8.21 | 8.29 | 8.18 | 8.21 | 8.09 | 8.18 | 8.23 | 8.08 | 8.09 | | |
| 45 (LAB) | T | 7.40 | 7.50 | 7.15 | 7.40 | 7.18 | 7.71 | 7.13 | 7.10 | 7.22 | 6.58 | | |
| 46 PHOSPHORUS FILTERED REACTIVE | R | NR | <W | <W | <W | <W | <W | 0.02<T | <W | <W | <W | 0.01 | |
| 46 (LAB) mg/L | T | NR | <W | <W | <W | <W | <W | 0.04<T | <W | <W | <W | mg/L | |
| 47 PHOSPHORUS TOTAL | R | 0.06<T | 0.04<T | 0.02<T | <W | <W | 0.02<T | 0.160 | 0.080<T | 0.017 | 0.023 | 0.01 | |
| 47 (LAB) mg/L | T | 0.10<T | <W | <W | 0.04<T | <W | <W | <W | 0.020<T | <W | <W | mg/L | |
| 48 ALDRIN | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 700 |
| 48 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L ** |
| 49 ALPHA BHC | R | <W | <W | <W | <W | 2<T | <W | 2<T | <W | <W | 2<T | 1 | 700 |
| 49 (PST) ng/L | T | <W | <W | <W | <W | 3<T | 4<T | 2<T | 3<T | 3<T | 3<T | ng/L | ng/L c |
| 50 BETA BHC | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 300 |
| 50 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L c |
| 51 LINDANE | R | <W | <W | <W | <W | <W | 2<T | <W | <W | <W | <W | 1 | 4000 |
| 51 (PST) ng/L | T | <W | <W | <W | <W | <W | 2<T | <W | <W | <W | <W | ng/L | ng/L |
| 52 ALPHA CHLORDANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 2 | 700 |
| 52 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L *** |
| 53 GAMMA CHLORDANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 2 | 700 |
| 53 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L *** |
| 54 DIELDRIN | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 2 | 700 |
| 54 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L ** |
| 55 METHOXYCHLOR | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 5 | 100000 |
| 55 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L |

PAGE 6

| PARAMETERS | | | DATE | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-----------------------|---|----|-------|-------|-------|-------|-------|-------|-------|--------|-------|--------------------|--|
| | | | JUN 6 | JUL 2 | AUG 6 | SEP 3 | OCT 8 | NOV 4 | DEC 2 | DEC 17 | JAN 6 | | |
| 56 ENDRIN | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 4 | 200 |
| 56 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L |
| 57 THIODAN SULPHATE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 4 | |
| 57 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | |
| 58 THIODAN I | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 2 | 74000 |
| 58 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L ea |
| 59 THIODAN II | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 4 | 74000 |
| 59 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L ea |
| 60 METHYLPARATHION | R | + | + | + | + | + | + | + | + | + | + | 50 | 7000 |
| 60 (SPC) | T | + | + | + | + | + | + | + | + | + | + | ng/L | ng/L |
| 61 PARATHION | R | + | + | + | + | + | + | + | + | + | + | 50 | 35000 |
| 61 (SPC) | T | + | + | + | + | + | + | + | + | + | + | ng/L | ng/L |
| 62 HEPTACHLOR EPOXIDE | R | <W | <W | <W | 2<T | <W | <W | <W | <W | <W | <W | 1 | 3000 +++ |
| 62 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L |
| 63 HEPTACHLOR | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 3000 |
| 63 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L +++ |
| 64 MIREX | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 5 | |
| 64 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | |
| 65 OXYCHLORDANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 2 | |
| 65 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | |
| 66 O, P, -DDT | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 5 | 30000 |
| 66 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L d |

STONEY POINT WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 7

| PARAMETERS | | | D A T E | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------|------|---|---------|-------|-------|-------|-------|-------|-------|--------|-------|--------|--------------------|--|
| | | | JUN 6 | JUL 2 | AUG 6 | SEP 3 | OCT 8 | NOV 4 | DEC 2 | DEC 17 | JAN 6 | JAN 15 | | |
| 67 PCB | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 20 | 3000 |
| 67 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L t |
| 68 P,P-DDD | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 5 | d |
| 68 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | |
| 69 P,P-DDE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | d |
| 69 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | |
| 70 P,P-DDT | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 5 | d |
| 70 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | |
| 71 AMETRINE | | R | + | <W | + | + | + | <W | + | + | + | + | 50 | |
| 71 (SPC) | ng/L | T | + | LA | + | + | + | <W | + | + | + | + | ng/L | |
| 72 ATRAZINE | | R | + | <W | + | + | + | <W | + | + | + | + | 50 | 46000 |
| 72 (SPC) | ng/L | T | + | LA | + | + | + | <W | + | + | + | + | ng/L | ng/L ! |
| 73 DIAZINON | | R | + | + | + | + | + | NS | + | + | + | + | 50 | 14000 |
| 73 (SPC) | ng/L | T | + | + | + | + | + | NS | + | + | + | + | ng/L | ng/L |
| 74 BLADEx | | R | + | <W | + | + | + | <W | + | + | + | + | 100 | 10000 |
| 74 (SPC) | ng/L | T | + | LA | + | + | + | <W | + | + | + | + | ng/L | ng/L ! |
| 75 PROMETONE | | R | + | <W | + | + | + | <W | + | + | + | + | 50 | |
| 75 (SPC) | ng/L | T | + | LA | + | + | + | <W | + | + | + | + | ng/L | |
| 76 PROPazine | | R | + | <W | + | + | + | <W | + | + | + | + | 50 | |
| 76 (SPC) | ng/L | T | + | LA | + | + | + | <W | + | + | + | + | ng/L | |
| 77 PROMETRYNE | | R | + | <W | + | + | + | <W | + | + | + | + | 50 | 1000 |
| 77 (SPC) | ng/L | T | + | LA | + | + | + | <W | + | + | + | + | ng/L | ng/L ! |

PAGE 8

[illegible]

STONEY POINT WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 9

| PARAMETERS | | D A T E | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------------------------|---|---------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------------------|--|
| | | JUN 6 | JUL 2 | AUG 6 | SEP 3 | OCT 8 | NOV 4 | DEC 2 | DEC 17 | JAN 6 | JAN 15 | | |
| 89 STRONTIUM | R | 0.130 | 0.120 | 0.130 | 0.190 | 0.180 | 0.120 | 0.160 | 0.120 | 0.130 | 0.140 | 0.001 | |
| 89 (MET) mg/L | T | 0.110 | 0.110 | 0.150 | 0.120 | 0.060 | 0.120 | 0.150 | 0.110 | 0.140 | 0.130 | mg/L | |
| 90 TOTAL COLIFORM MF | R | !OP | !OP | 2 | 1000 | !OP | 400 | 1000 | 900 | 4A3C | 4A3C | 0 | ODWO Bacti |
| 90 (BAC) count/100mL | T | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 91 TOTAL COLIFORM BACKGROUND MF | R | 35000 | 50000 | 1800 | 26000 | 27500 | 12000 | 15500 | 3700 | 510 | 560 | 0 | OWDO Bacti |
| 91 (BAC) count/100mL | T | 0 | 0 | 0 | 5 | 0 | 2 | 0 | 0 | 1 | 0 | | |
| 92 TURBIDITY | R | 34.00 | 14.40 | 9.30 | 16.30 | 15.40 | 12.00 | 96.00 | 38.00 | 6.20 | 5.50 | 0.01 | 1 FTU |
| 92 (LAB) FTU | T | 0.34<T | 0.25<T | 0.81<T | 0.34<T | 0.47<T | 0.42<T | 1.36 | 0.59<T | 0.24<T | 0.14<T | FTU | |
| 93 URANIUM | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 0.002 | .02 mg/L t |
| 93 (MET) mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | |
| 94 VANADIUM | R | 0.004 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.005 | 0.002 | <W | <W | 0.001 | |
| 94 (MET) mg/L | T | <W | <W | <W | <W | <W | <W | 0.001 | <W | <W | <W | mg/L | |
| 95 HEXACHLOROBUTADIENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 4500 ng/L e |
| 95 (CHA) ng/L | T | <W | <W | <W | <W | <W | 2<T | <W | 3<T | <W | <W | ng/L | |
| 96 1,1-DICHLOROETHYLENE | R | <W | <W | <W | <W | <W | <W | <W | | <W | <W | 1 | .3 ug/L h |
| 96 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | BT | <W | ug/L | |
| 97 T,1,2-DICHLOROETHYLENE | R | <W | <W | <W | <W | <W | <W | <W | | <W | <W | 1 | |
| 97 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | BT | <W | ug/L | |
| 98 1,1-DICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | NSS | <W | <W | 1 | |
| 98 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | BT | <W | ug/L | |

STONEY POINT WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 10

| PARAMETERS | | | D A T E | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | | |
|---------------------------|---|----|---------|-------|-------|-------|-------|-------|-------|--------|--------------------|--|-------|--------|
| | | | JUN 6 | JUL 2 | AUG 6 | SEP 3 | OCT 8 | NOV 4 | DEC 2 | DEC 17 | | | JAN 6 | JAN 15 |
| 99 CHLOROFORM | R | <W | <W | <W | <W | <W | <W | <W | NSS | <W | <W | 1 | 350 | |
| 99 (VOL) ug/L | T | 17 | 38 | 66 | 54 | 39 | 47 | 57 | 37 | BT | 14 | ug/L | ug/L | ++ |
| 100 DICHLOROMETHANE | R | <W | <W | <W | <W | <W | <W | <W | NSS | <W | CS | 5 | 40 | |
| 100 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | BT | CS | ug/L | ug/L | c |
| 101 1,1,1-TRICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | NSS | <W | <W | 1 | 1000 | |
| 101 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | BT | <W | ug/L | ug/L | c |
| 102 1,2-DICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | NSS | <W | <W | 1 | 10 | |
| 102 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | BT | <W | ug/L | ug/L | h |
| 103 CARBON TETRACHLORIDE | R | <W | <W | <W | <W | <W | <W | <W | NSS | <W | <W | 1 | 3 | |
| 103 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | BT | <W | ug/L | ug/L | h |
| 104 1,2 DICHLOROPROPANE | R | <W | <W | <W | <W | <W | <W | <W | NSS | <W | <W | 1 | | |
| 104 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | BT | <W | ug/L | | |
| 105 TRICHLOROETHYLENE | R | <W | <W | <W | <W | <W | <W | <W | NSS | <W | <W | 1 | 30 | |
| 105 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | BT | <W | ug/L | ug/L | h |
| 106 DICHLOROBROMOMETHANE | R | <W | <W | <W | <W | <W | <W | <W | NSS | <W | <W | 1 | 350 | |
| 106 (VOL) ug/L | T | 10 | 14 | 18 | 18 | 15 | 15 | 12 | 14 | BT | 7 | ug/L | ug/L | ++ |
| 107 1,1,2-TRICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | NSS | <W | <W | 1 | 6 | |
| 107 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | BT | <W | ug/L | ug/L | e |
| 108 CHLORODIBROMOMETHANE | R | <W | <W | <W | <W | <W | <W | <W | NSS | <W | <W | 1 | 350 | |
| 108 (VOL) ug/L | T | 4 | 5 | 16 | 14 | 12 | 10 | 5 | 10 | BT | 12 | ug/L | ug/L | ++ |

PAGE 11

| PARAMETERS | | | D A T E | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | | |
|-------------------------------|---|----|---------|-------|-------|-------|-------|-------|-------|--------|--------------------|--|-------|--------|
| | | | JUN 6 | JUL 2 | AUG 6 | SEP 3 | OCT 8 | NOV 4 | DEC 2 | DEC 17 | | | JAN 6 | JAN 15 |
| 109 TETRACHLOROETHYLENE | R | <W | <W | <W | <W | <W | <W | <W | NSS | <W | <W | 1 | 10 | |
| 109 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | BT | <W | ug/L | ug/L | h |
| 110 BROMOFORM | R | <W | <W | <W | <W | <W | <W | <W | NSS | <W | <W | 1 | 350 | |
| 110 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | BT | <W | ug/L | ug/L | ++ |
| 111 1,1,2,2-TETRACHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | NSS | <W | <W | 1 | 1.7 | |
| 111 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | BT | <W | ug/L | ug/L | e |
| 112 HEXACHLOROBENZENE | R | <W | <W | <W | 3<T | <W | <W | <W | <W | <W | <W | 1 | 10 | |
| 112 (PST) ng/L | T | <W | <W | <W | 3<T | <W | <W | <W | <W | <W | <W | ng/L | ng/L | h |
| 113 HEXACHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 19000 | |
| 113 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L | e |
| 114 OCTACHLOROSTYRENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | | |
| 114 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | | |
| 115 PENTACHLOROBENZENE | R | <W | <W | <W | 2<T | <W | <W | <W | <W | <W | <W | 1 | 74000 | |
| 115 (CHA) ng/L | T | <W | <W | <W | 6<T | <W | 3<T | <W | 3<T | <W | 6<T | ng/L | ng/L | e |
| 116 TOTAL TRIHALOMETHANES | R | <W | <W | <W | <W | <W | <W | <W | NSS | <W | <W | 3 | 350 | |
| 116 (VOL) ug/L | T | 31 | 57 | 100 | 86 | 66 | 72 | 74 | 61 | BT | 33 | ug/L | ug/L | ++ |
| 117 2,3,6-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 5 | | |
| 117 (CHA) ng/L | T | <W | <W | <W | <W | <W | 39<T | <W | 7<T | <W | <W | ng/L | | |
| 118 2,4,5-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 5 | 10000 | |
| 118 (CHA) ng/L | T | <W | <W | <W | 20<T | 23<T | <W | <W | <W | <W | <W | ng/L | ng/L | g |
| 119 2,6,A-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 5 | | |
| 119 (CHA) mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | | |

PAGE 12

| PARAMETERS | | | DATE | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/GUIDELINE ¹ | | |
|------------|----------------------------|---|-------|-------|-------|-------|-------|-------|-------|--------|-----------------|---|---------|--------|
| | | | JUN 6 | JUL 2 | AUG 6 | SEP 3 | OCT 8 | NOV 4 | DEC 2 | DEC 17 | | | JAN 6 | JAN 15 |
| 120 | CHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | NSS | <W | <W | 1 | 100-300 | |
| 120 | (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | BT | <W | ng/L | ng/L | h* |
| 121 | 1,4-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | NSS | <W | <W | 1 | 400 | |
| 121 | (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | BT | <W | ug/L | ug/L | e |
| 122 | 1,3-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | NSS | <W | <W | 1 | 400 | |
| 122 | (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | BT | <W | ug/L | ug/L | e |
| 123 | 1,2-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | NSS | <W | <W | 1 | 400 | |
| 123 | (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | BT | <W | ug/L | ug/L | e |
| 124 | TRIFLUOROCHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | NSS | <W | <W | 1 | | |
| 124 | (CHA) ug/L | T | <W | <W | <W | <W | <W | <W | <W | BT | <W | ug/L | | |
| 125 | 1,2,3-TRICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 5 | 10000 | |
| 125 | (CHA) ng/L | T | <W | <W | <W | <W | <W | 9<T | 15<T | <W | <W | ng/L | ng/L | y |
| 126 | 1,2,3,4-TETRACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | | |
| 126 | (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | 7<T | ng/L | | |
| 127 | 1,2,3,5-TETRACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | | |
| 127 | (CHA) ng/L | T | <W | <W | <W | <W | 25 | <W | <W | <W | <W | ng/L | . | |
| 128 | 1,2,4-TRICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 5 | 15000 | |
| 128 | (CHA) ng/L | T | <W | <W | <W | 39<T | <W | <W | <W | <W | <W | ng/L | ng/L | y |
| 129 | 1,2,4,5-TETRACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 38000 | |
| 129 | (CHA) ng/L | T | <W | <W | <W | <W | <W | 3<T | <W | <W | <W | ng/L | ng/L | e |
| 130 | 1,3,5-TRICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 5 | 10000 | |
| 130 | (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L | y |

STONEY POINT WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 13

| PARAMETERS | | | D A T E | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-------------------------------|---|-------|---------|-------|-------|-------|-------|-------|-------|--------|-------|--------|--------------------|--|
| | | | JUN 6 | JUL 2 | AUG 6 | SEP 3 | OCT 8 | NOV 4 | DEC 2 | DEC 17 | JAN 6 | JAN 15 | | |
| 131 PENTACHLOROPHENOL | R | + | <W | + | + | + | + | <W | + | + | + | + | 50 | 10000 |
| 131 (CHP) ng/L | T | + | <W | + | + | + | + | <W | + | + | + | + | ng/L | ng/L h |
| 132 2,3,4-TRICHLOROPHENOL | R | + | <W | + | + | + | + | <W | + | + | + | + | 100 | |
| 132 (CHP) ng/L | T | + | <W | + | + | + | + | <W | + | + | + | + | ng/L | |
| 133 2,3,4,5-TETRACHLOROPHENOL | R | + | <W | + | + | + | + | <W | + | + | + | + | 50 | |
| 133 (CHP) ng/L | T | + | <W | + | + | + | + | <W | + | + | + | + | ng/L | |
| 134 2,3,5,6-TETRACHLOROPHENOL | R | + | <W | + | + | + | + | <W | + | + | + | + | 50 | |
| 134 (CHP) ng/L | T | + | <W | + | + | + | + | <W | + | + | + | + | ng/L | |
| 135 2,4,5-TRICHLOROPHENOL | R | + | <W | + | + | + | + | <W | + | + | + | + | 50 | |
| 135 (CHP) ng/L | T | + | <W | + | + | + | + | <W | + | + | + | + | ng/L | |
| 136 2,4,6-TRICHLOROPHENOL | R | + | <W | + | + | + | + | <W | + | + | + | + | 50 | 10000 |
| 136 (CHP) ng/L | T | + | <W | + | + | + | + | <W | + | + | + | + | ng/L | ng/L h |
| 137 ZINC | R | 0.018 | 0.009 | 0.004 | 0.006 | 0.008 | 0.009 | 0.015 | 0.009 | 0.009 | 0.004 | 0.006 | 0.001 | 5 |
| 137 (MET) mg/L | T | 0.002 | 0.003 | 0.004 | 0.005 | 0.002 | 0.005 | 0.003 | 0.003 | 0.003 | 0.005 | 0.010 | mg/L | mg/L h |
| 138 PENTACHLOROPROPANE | R | NS | NS | NS | NS | NS | NS | NS | NS | <W | | <W | 0.1 | |
| 138 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | <W | | <W | ug/L | |
| 139 PENTACHLOROPROPENE | R | NS | NS | NS | NS | NS | NS | NS | NS | <W | | <W | 0.1 | |
| 139 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | <W | | <W | ug/L | |
| 140 HEXACHLOROPROPENE | R | NS | NS | NS | NS | NS | NS | NS | NS | <W | | <W | 0.1 | |
| 140 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | <W | | <W | ug/L | |
| 141 TETRACHLOROBUTANE | R | NS | NS | NS | NS | NS | NS | NS | NS | <W | | <W | 0.1 | |
| 141 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | <W | | <W | ug/L | |

STONEY POINT WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 14

| PARAMETERS | | | DATE | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|--------------------------|---|----|-------|-------|-------|-------|-------|-------|-------|--------|-------|--------|--------------------|--|
| | | | JUN 6 | JUL 2 | AUG 6 | SEP 3 | OCT 8 | NOV 4 | DEC 2 | DEC 17 | JAN 6 | JAN 15 | | |
| 142 PENTACHLOROBUTADIENE | R | NS | NS | NS | NS | NS | NS | NS | NS | <W | | <W | 0.1 | |
| 142 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | <W | | <W | ug/L | |
| 143 N-DICHLOROMETHYLENE- | R | NS | NS | NS | NS | NS | NS | NS | NS | <W | | <W | 0.1 | |
| 143 PENTACHLOROANILINE | T | NS | NS | NS | NS | NS | NS | NS | NS | <W | | <W | ug/L | |
| 143 (MS) ug/L | | | | | | | | | | | | | | |
| 144 FLUORANTHENE | R | NS | NS | NS | NS | NS | NS | NS | NS | <W | | <W | 0.1 | |
| 144 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | <W | | <W | ug/L | |
| 145 NAPHTHALENE | R | NS | NS | NS | NS | NS | NS | NS | NS | <W | | <W | 0.1 | |
| 145 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | <W | | <W | ug/L | |
| 146 METHYL PHENANTHRENE | R | NS | NS | NS | NS | NS | NS | NS | NS | <W | | <W | 0.1 | |
| 146 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | <W | | <W | ug/L | |
| 147 PYRENE | R | NS | NS | NS | NS | NS | NS | NS | NS | <W | | <W | 0.1 | |
| 147 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | <W | | <W | ug/L | |
| 148 DIPHENYL ETHER | R | NS | NS | NS | NS | NS | NS | NS | NS | <W | | <W | 0.1 | |
| 148 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | <W | | <W | ug/L | |
| 149 DI-N-BUTYL PHTHALATE | R | NS | NS | NS | NS | NS | NS | NS | NS | <W | | 3.0 | 0.1 | 34000 |
| 149 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | <W | | 2.4 | ug/L | ug/L e |
| 150 CL BIPHENYL | R | NS | NS | NS | NS | NS | NS | NS | NS | <W | | <W | 0.1 | |
| 150 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | <W | | <W | ug/L | |
| 151 ATRAZINE | R | NS | NS | NS | NS | NS | NS | NS | NS | <W | | <W | 0.1 | 46 |
| 151 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | <W | | <W | ug/L | ug/L ! |

STONEY POINT WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 15

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ GUIDELINE ¹ |
|-----------------------------|---|----|---------|-------|-------|-------|-------|-------|-------|--------|-------|--------------------|---|
| | | | JUN 6 | JUL 2 | AUG 6 | SEP 3 | OCT 8 | NOV 4 | DEC 2 | DEC 17 | JAN 6 | | |
| 152 BIPHENYL | R | NS | NS | NS | NS | NS | NS | NS | <W | | <W | 0.1 | |
| 152 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | | <W | ug/L | |
| 153 ALIPHATIC HYDROCARBONS* | R | NS | NS | NS | NS | NS | NS | NS | <W | | <W | 0.1 | |
| 153 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | | <W | ug/L | |
| 154 TRIMETHYL NAPHTHALENE** | R | NS | NS | NS | NS | NS | NS | NS | <W | | <W | 0.1 | |
| 154 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | | <W | ug/L | |
| 155 DIMETHYL FLUORENE | R | NS | NS | NS | NS | NS | NS | NS | <W | | <W | 0.1 | |
| 155 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | | <W | ug/L | |
| 156 BUTOXY ETHOXYETHANE | R | NS | NS | NS | NS | NS | NS | NS | <W | | <W | 0.1 | |
| 156 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | | <W | ug/L | |
| 157 STYRENE | R | NS | NS | NS | NS | NS | NS | NS | <W | | <W | 0.1 | |
| 157 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | <W | | <W | ug/L | |

* - Hydrocarbon "envelope" - total concentration is number given - number in brackets is an estimation of the number of compounds in the envelope

** - Number in brackets is number of isomers present al

LAB - Chemistry (LAB)

FLD - Chemistry (FIELD)

BAC - Bacteriological

MS - Mass Spec. Ana.

MET - Metal

VOL - Volatiles

PST - PCB/OC Scan. Pesticides

CHA - Chloroaromatics

CHA - Chloroaromatics

CHP - Chlorophenols cides

SPC - Specific Pesticides

TABLE A

STONEY POINT WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 1a

| PARAMETERS | | | D A T E | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|----------------|------|---|---------|--------|--------|-------|--------|--|--|--|--------------------|--|
| | | | JAN 29 | FEB 26 | MAR 18 | APR 7 | APR 21 | | | | | |
| 1 ALKALINITY | | R | 98.0 | 198.8 | 181.3 | 98.7 | | | | | 0.2 | |
| 1 (LAB) | mg/L | T | 84.0 | 174.4 | 162.1 | 79.2 | | | | | mg/L | |
| 2 ALUMINUM | | R | 0.240 | 0.200 | 0.330 | 0.380 | 0.590 | | | | 0.003 | |
| 2 (MET) | mg/L | T | 0.086 | 0.170 | 0.220 | 0.047 | 0.034 | | | | mg/L | |
| 3 ARSENIC | | R | <W | <W | <W | <W | <W | | | | 0.001 | 0.05 |
| 3 (MET) | mg/L | T | <W | <W | <W | <W | <W | | | | mg/L | mg/L |
| 4 BARIUM | | R | 0.014 | 0.025 | 0.023 | 0.014 | 0.018 | | | | 0.001 | 1 |
| 4 (MET) | mg/L | T | 0.012 | 0.020 | 0.018 | 0.013 | 0.014 | | | | mg/L | mg/L |
| 5 BORON | | R | <W | 0.06 | <W | <W | <W | | | | 0.02 | 5 |
| 5 (MET) | mg/L | T | 0.03 | 0.04 | 0.04 | <W | <W | | | | mg/L | mg/L |
| 6 BERYLLIUM | | R | <W | <W | <W | <W | <W | | | | 0.001 | |
| 6 (MET) | mg/L | T | <W | <W | <W | <W | <W | | | | mg/L | |
| 7 BENZENE | | R | <W | <W | <W | <W | | | | | 1 | 10 |
| 7 (VOL) | ug/L | T | <W | <W | <W | <W | | | | | ug/L | ug/L |
| 8 TOLUENE | | R | <W | <W | <W | <W | | | | | 1 | 100 |
| 8 (VOL) | ug/L | T | <W | <W | <W | <W | | | | | ug/L | ug/L |
| 9 ETHYLBENZENE | | R | <W | <W | <W | <W | | | | | 1 | 1400 |
| 9 (VOL) | ug/L | T | <W | <W | <W | <W | | | | | ug/L | ug/L |
| 10 P-XYLENE | | R | <W | <W | <W | <W | | | | | 1 | 620 |
| 10 (VOL) | ug/L | T | <W | <W | <W | <W | | | | | ug/L | ug/L |
| 11 M-XYLENE | | R | <W | <W | <W | <W | | | | | 1 | 620 |
| 11 (VOL) | ug/L | T | <W | <W | <W | <W | | | | | ug/L | ug/L |

STONEY POINT WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 2a

| PARAMETERS | | | DATE | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-------------------|-------------|---|--------|--------|--------|--------|--------|--|--|--|--|--|--------------------|--|
| | | | JAN 29 | FEB 26 | MAR 18 | APR 7 | APR 21 | | | | | | | |
| 12 O-XYLENE | | R | <W | <W | <W | <W | | | | | | | 1 ug/L | 620 |
| 12 (VOL) | ug/L | T | <W | <W | <W | <W | | | | | | | | ug/L c |
| 13 CALCIUM | | R | 35.8 | 81.0 | 75.0 | 35.3 | | | | | | | 0.1 mg/L | |
| 13 (LAB) | mg/L | T | 35.5 | 80.0 | 76.0 | 38.7 | | | | | | | | |
| 14 CYANIDE | | R | <W | <W | <W | <W | <W | | | | | | 0.001 | 0.2 |
| 14 (MET) | mg/L | T | <W | <W | <W | <W | <W | | | | | | mg/L | mg/L |
| 15 CADMIUM | | R | <W | <W | <W | <W | <W | | | | | | 0.0003 | 0.005 |
| 15 (MET) | mg/L | T | <W | <W | <W | <W | <W | | | | | | mg/L | mg/L |
| 16 CHLORIDE | | R | 13.2 | 39.6 | 49.8 | 12.4 | | | | | | | 0.2 | 250 |
| 16 (LAB) | mg/L | T | 14.4 | 42.2 | 52.5 | 14.4 | | | | | | | mg/L | mg/L |
| 17 COLOUR | TCU | R | 15.5 | 20.5 | 14.5 | 13.0 | | | | | | | 0.5 | 5 |
| 17 (LAB) | | T | 1.5<T | 4.0 | 5.0 | <W | | | | | | | TCU | TCU |
| 18 CONDUCTIVITY | | R | 293.00 | 606.00 | 588.00 | 277.00 | | | | | | | 0.01 | |
| 18 (LAB) | umho/cm | T | 300.00 | 600.00 | 598.00 | 309.00 | | | | | | | UMHO/CM | |
| 19 COBALT | | R | <W | <W | 0.001 | <W | <W | | | | | | 0.001 | |
| 19 (MET) | mg/L | T | <W | <W | <W | <W | <W | | | | | | mg/L | |
| 20 CHROMIUM | | R | 0.002 | 0.003 | 0.003 | 0.002 | <W | | | | | | 0.001 | 0.05 |
| 20 (MET) | mg/L | T | 0.002 | 0.003 | 0.003 | 0.002 | <W | | | | | | mg/L | mg/L |
| 21 COPPER | | R | 0.009 | 0.011 | 0.025 | 0.015 | 0.015 | | | | | | 0.001 | 1 |
| 21 (MET) | mg/L | T | 0.004 | 0.007 | 0.008 | 0.006 | 0.001 | | | | | | mg/L | mg/L |
| 22 F. COLIFORM MF | | R | 0 | 0 | 0 | 0 | 0 | | | | | | 0 | |
| 22 (BAC) | count/100mL | T | NA | NA | NA | NA | NA | | | | | | | 0/0.1L mL |

**STONEY POINT WATER TREATMENT PLANT
1986 DWSP DATA**

PAGE 3a

| PARAMETERS | | | D A T E | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|------------------------------|----------|---|---------|--------|--------|-------|--------|--|--|--|--------------------|--|
| | | | JAN 29 | FEB 26 | MAR 18 | APR 7 | APR 21 | | | | | |
| 23 IRON | | R | 0.210 | 0.160 | 0.280 | 0.360 | 0.630 | | | | | |
| 23 (MET) | mg/L | T | 0.014 | 0.013 | 0.017 | 0.004 | <W | | | | 0.002 mg/L | 0.3 mg/L |
| 24 FLUORIDE | | R | 0.10 | 0.17 | 0.18 | 0.11 | | | | | | |
| 24 (LAB) | mg/L | T | 0.06 | 0.14 | 0.15 | 0.06 | | | | | 0.01 mg/L | 2.4 mg/L |
| 25 FIELD CHLORINE (COMBINED) | | R | NA | NA | NA | NA | NA | | | | | |
| 25 (FLD) | | T | 0.10 | NS | 0.20 | 1.20 | 1.43 | | | | | |
| 26 FIELD CHLORINE (FREE) | | R | NA | NA | NA | NA | NA | | | | | |
| 26 (FLD) | | T | 0.80 | NS | 0.70 | 1.50 | 1.10 | | | | | |
| 27 FIELD CHLORINE (TOTAL) | | R | NA | NA | NA | NA | NA | | | | | |
| 27 (FLD) | | T | 0.90 | >1.00 | 0.90 | 2.70 | 2.53 | | | | | |
| 28 FIELD PH | | R | 7.80 | 7.80 | 7.80 | NS | 7.80 | | | | | |
| 28 (FLD) | | T | 7.40 | 7.30 | 7.20 | 7.40 | 7.40 | | | | | |
| 29 FIELD TEMPERATURE | | R | 2.0 | 3.5 | 3.0 | 7.0 | 9.0 | | | | | |
| 29 (FLD) | | T | 5.0 | 4.0 | 5.0 | 10.0 | 8.2 | | | | | |
| 30 FIELD TURBIDITY | | R | 5.00 | NS | NS | NS | NS | | | | | |
| 30 (FLD) | | T | 0.20 | NS | NS | NS | 0.30 | | | | | 1 FTU |
| 31 HARDNESS | | R | 126.0 | 270.0 | 247.4 | 122.5 | | | | | 0.5 mg/L | |
| 31 (LAB) | mg/L | T | 126.0 | 265.0 | 250.7 | 133.0 | | | | | | |
| 32 STANDARD PLATE COUNT MF | | R | AW | AW | AW | 370 | OP | | | | 0 | |
| 32 (BAC) | count/mL | T | AW | AW | AW | 3 | 1 | | | | | 500 orga- nisms per mL |
| 33 MERCURY | | R | <W | 0.01 | <W | <W | LA | | | | 0.01 | 1 |
| 33 (MET) | ug/L | T | 0.05 | 0.01 | 0.03 | 0.06 | LA | | | | ug/L | ug/L |

STONEY POINT WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 4a

| PARAMETERS | | | D A T E | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|----------------------------|------|---|---------|--------|--------|--------|--------|--|--|--|--------------------|--|
| | | | JAN 29 | FEB 26 | MAR 18 | APR 7 | APR 21 | | | | | |
| 34 MAGNESIUM | | R | 9.00 | 16.45 | 14.60 | 8.30 | | | | | 0.05 | |
| 34 (LAB) | mg/L | T | 9.15 | 15.80 | 14.80 | 8.85 | | | | | mg/L | |
| 35 MANGANESE | | R | 0.005 | 0.008 | 0.013 | 0.008 | 0.014 | | | | 0.001 | 0.05 |
| 35 (MET) | mg/L | T | 0.002 | 0.003 | 0.003 | 0.002 | 0.001 | | | | mg/L | mg/L |
| 36 MOLYBDENUM | | R | <W | 0.001 | <W | <W | <W | | | | 0.001 | |
| 36 (MET) | mg/L | T | <W | 0.001 | <W | <W | <W | | | | mg/L | |
| 37 SODIUM | | R | 7.5 | 21.3 | 25.5 | 6.6 | | | | | 0.1 | |
| 37 (LAB) | mg/L | T | 7.5 | 21.3 | 25.5 | 6.9 | | | | | mg/L | |
| 38 NICKEL | | R | <W | 0.002 | 0.003 | <W | 0.002 | | | | 0.002 | |
| 38 (MET) | mg/L | T | <W | 0.002 | 0.002 | <W | <W | | | | mg/L | |
| 39 AMMONIUM TOTAL | | R | <W | 0.082 | 0.096 | <W | | | | | 0.05 | |
| 39 (LAB) | mg/L | T | <W | <W | <W | <W | | | | | mg/L | |
| 40 NITRITE | | R | 0.0125 | 0.0630 | 0.0605 | 0.0230 | | | | | 0.005 | 1 mg/L |
| 40 (LAB) | mg/L | T | 0.0045 | <W | <W | 0.0055 | | | | | mg/L | as N |
| 41 NITRATE | | R | 1.100 | 4.390 | 4.310 | 1.190 | | | | | 0.05 | 10 mg/L |
| 41 (LAB) | mg/L | T | 1.100 | 4.350 | 4.410 | 1.400 | | | | | mg/L | as N |
| 42 NITROGEN TOTAL KJELDAHL | | R | 0.270 | 0.600 | 0.670 | 0.370 | | | | | 0.1 | 0.15 |
| 42 (LAB) | mg/L | T | 0.150 | 0.390 | 0.390 | 0.130 | | | | | mg/L | mg/L * |
| 43 PRESENCE/ABSENCE | | R | NA | NA | NA | NA | NA | | | | 0 | Absent |
| 43 (BAC) | | T | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | | | | | |
| 44 LEAD | | R | <W | <W | <W | <W | <W | | | | 0.003 | 0.05 |
| 44 (MET) | mg/L | T | <W | <W | <W | <W | <W | | | | mg/L | mg/L |

STONEY POINT WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 5a

| PARAMETERS | | DATE | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------------------------|---|--------|--------|--------|--------|--------|--|--|--|--|--|--------------------|--|
| | | JAN 29 | FEB 26 | MAR 18 | APR 7 | APR 21 | | | | | | | |
| 45 PH | R | 8.16 | 7.69 | 8.05 | 8.26 | | | | | | | | |
| 45 (LAB) | T | 7.60 | 7.35 | 7.77 | 7.37 | | | | | | | | |
| 46 PHOSPHORUS FILTERED REACTIVE | R | <W | 0.0405 | 0.0425 | 0.0155 | | | | | | | 0.01 | |
| 46 (LAB) mg/L | T | <W | <W | <W | <W | | | | | | | mg/L | |
| 47 PHOSPHORUS TOTAL | R | 0.018 | 0.058 | 0.083 | 0.051 | | | | | | | 0.01 | |
| 47 (LAB) mg/L | T | <W | <W | 0.013 | <W | | | | | | | mg/L | |
| 48 ALDRIN | R | <W | <W | <W | <W | <W | | | | | | 1 | 700 |
| 48 (PST) ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | ng/L ** |
| 49 ALPHA BHC | R | 3<T | <W | <W | 3<T | <W | | | | | | 1 | 700 |
| 49 (PST) ng/L | T | 4<T | 1<T | BL | <W | <W | | | | | | ng/L | ng/L c |
| 50 BETA BHC | R | <W | <W | <W | <W | <W | | | | | | 1 | 300 |
| 50 (PST) ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | ng/L c |
| 51 LINDANE | R | <W | <W | <W | <W | <W | | | | | | 1 | 4000 |
| 51 (PST) ng/L | T | <W | 1<T | BL | <W | <W | | | | | | ng/L | ng/L |
| 52 ALPHA CHLORDANE | R | <W | <W | <W | <W | <W | | | | | | 2 | 700 |
| 52 (PST) ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | ng/L *** |
| 53 GAMMA CHLORDANE | R | <W | <W | <W | <W | <W | | | | | | 2 | 700 |
| 53 (PST) ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | ng/L *** |
| 54 DIELDRIN | R | <W | <W | <W | <W | <W | | | | | | 2 | 700 |
| 54 (PST) ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | ng/L ** |
| 55 METHOXYCHLOR | R | <W | <W | <W | <W | <W | | | | | | 5 | 100000 |
| 55 (PST) ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | ng/L |

STONEY POINT WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 6a

| PARAMETERS | | | DATE | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-----------------------|------|---|--------|--------|--------|-------|--------|--|--|--|--|--|--------------------|--|
| | | | JAN 29 | FEB 26 | MAR 18 | APR 7 | APR 21 | | | | | | | |
| 56 ENDRIN | | R | <W | <W | <W | <W | <W | | | | | | 4 | 200 |
| 56 (PST) | ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | ng/L |
| 57 THIODAN SULPHATE | | R | <W | <W | <W | <W | <W | | | | | | 4 | |
| 57 (PST) | ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | |
| 58 THIODAN I | | R | <W | <W | <W | <W | <W | | | | | | 2 | 74000 |
| 58 (PST) | ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | ng/L ea |
| 59 THIODAN II | | R | <W | <W | <W | <W | <W | | | | | | 4 | 74000 |
| 59 (PST) | ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | ng/L ea |
| 60 METHYLPARATHION | | R | + | + | + | + | + | | | | | | 50 | 7000 |
| 60 (SPC) | | T | + | + | + | + | + | | | | | | ng/L | ng/L |
| 61 PARATHION | | R | + | + | + | + | + | | | | | | 50 | 35000 |
| 61 (SPC) | | T | + | + | + | + | + | | | | | | ng/L | ng/L |
| 62 HEPTACHLOR EPOXIDE | | R | <W | <W | <W | <W | <W | | | | | | 1 | 3000 +++ |
| 62 (PST) | ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | ng/L |
| 63 HEPTACHLOR | | R | <W | <W | <W | <W | <W | | | | | | 1 | 3000 |
| 63 (PST) | ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | ng/L +++ |
| 64 MIREX | | R | <W | <W | <W | <W | <W | | | | | | 5 | |
| 64 (PST) | ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | |
| 65 OXYCHLORDANE | | R | <W | <W | <W | <W | <W | | | | | | 2 | |
| 65 (PST) | ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | |
| 66 O, P, -DDT | | R | <W | <W | <W | <W | <W | | | | | | 5 | 30000 |
| 66 (PST) | ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | ng/L d |

STONEY POINT WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 7a

| PARAMETERS | | | DATE | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------|------|---|--------|--------|--------|-------|--------|--|--|--|--|--|--------------------|--|
| | | | JAN 29 | FEB 26 | MAR 18 | APR 7 | APR 21 | | | | | | | |
| 67 PCB | | R | <W | <W | <W | <W | <W | | | | | | 20 | 3000 |
| 67 (PST) | ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | ng/L t |
| 68 P,P-DDD | | R | <W | <W | <W | <W | <W | | | | | | 5 | d |
| 68 (PST) | ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | |
| 69 P,P-DDE | | R | <W | <W | <W | <W | <W | | | | | | 1 | d |
| 69 (PST) | ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | |
| 70 P,P-DDT | | R | <W | <W | <W | <W | <W | | | | | | 5 | d |
| 70 (PST) | ng/L | T | <W | <W | <W | <W | <W | | | | | | ng/L | |
| 71 AMETRINE | | R | + | + | + | + | + | | | | | | 50 | |
| 71 (SPC) | ng/L | T | + | + | + | + | + | | | | | | ng/L | |
| 72 ATRAZINE | | R | + | + | + | + | + | | | | | | 50 | 46000 |
| 72 (SPC) | ng/L | T | + | + | + | + | + | | | | | | ng/L | ng/L ! |
| 73 DIAZINON | | R | + | + | + | + | + | | | | | | 50 | 14000 |
| 73 (SPC) | ng/L | T | + | + | + | + | + | | | | | | ng/L | ng/L |
| 74 BLADDEX | | R | + | + | + | + | + | | | | | | 100 | 10000 |
| 74 (SPC) | ng/L | T | + | + | + | + | + | | | | | | ng/L | ng/L ! |
| 75 PROMETONE | | R | + | + | + | + | + | | | | | | 50 | |
| 75 (SPC) | ng/L | T | + | + | + | + | + | | | | | | ng/L | |
| 76 PROPAZINE | | R | + | + | + | + | + | | | | | | 50 | |
| 76 (SPC) | ng/L | T | + | + | + | + | + | | | | | | ng/L | |
| 77 PROMETRYNE | | R | + | + | + | + | + | | | | | | 50 | 1000 |
| 77 (SPC) | ng/L | T | + | + | + | + | + | | | | | | ng/L | ng/L ! |

STONEY POINT WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 8a

| PARAMETERS | | | D A T E | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-------------------------|------|---|---------|--------|--------|-------|--------|--|--|--|--------------------|--|
| | | | JAN 29 | FEB 26 | MAR 18 | APR 7 | APR 21 | | | | | |
| 78 SENCOR | | R | + | + | + | + | + | | | | 100 | |
| 78 (SPC) | ng/L | T | + | + | + | + | + | | | | ng/L | |
| 79 SIMAZINE | | R | + | + | + | + | + | | | | 50 | 10000 |
| 79 (SPC) | ng/L | T | + | + | + | + | + | | | | ng/L | ng/L ! |
| 80 DICAMBA | | R | + | + | + | + | + | | | | 100 | 87000 |
| 80 (SPC) | ng/L | T | + | + | + | + | + | | | | ng/L | ng/L ! |
| 81 PICLORAM | | R | + | + | + | + | + | | | | 100 | |
| 81 (SPC) | ng/L | T | + | + | + | + | + | | | | ng/L | |
| 82 SILVEX | | R | + | + | + | + | + | | | | 50 | 10000 |
| 82 (SPC) | ng/L | T | + | + | + | + | + | | | | ng/L | ng/L |
| 83 2,4-D | | R | + | + | + | + | + | | | | 100 | 100000 |
| 83 (SPC) | ng/L | T | + | + | + | + | + | | | | ng/L | ng/L |
| 84 2,4-D BUTYRIC ACID | | R | + | + | + | + | + | | | | 200 | 18000 |
| 84 (SPC) | ng/L | T | + | + | + | + | + | | | | ng/L | ng/L ! |
| 85 2,4-D PROPIONIC ACID | | R | + | + | + | + | + | | | | 100 | |
| 85 (SPC) | ng/L | T | + | + | + | + | + | | | | ng/L | |
| 86 2,4,5-T | | R | + | + | + | + | + | | | | 50 | |
| 86 (SPC) | ng/L | T | + | + | + | + | + | | | | ng/L | |
| 87 TOTAL SOLIDS | | R | 190 | 402 | 385 | 183 | | | | | 1 | |
| 87 (LAB) | mg/L | T | 195 | 403 | 389 | 201 | | | | | mg/L | |
| 88 SELENIUM | | R | <W | <W | <W | <W | <W | | | | 0.001 | 0.01 |
| 88 (MET) | mg/L | T | <W | <W | <W | <W | <W | | | | mg/L | mg/L |

STONEY POINT WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 9a

| PARAMETERS | | | D A T E | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------------------------|---|--------|---------|--------|--------|-------|--------|--|--|--|--------------------|--|
| | | | JAN 29 | FEB 26 | MAR 18 | APR 7 | APR 21 | | | | | |
| 89 STRONTIUM | R | 0.120 | 0.320 | 0.300 | 0.120 | 0.120 | | | | | 0.001 | |
| 89 (MET) mg/L | T | 0.120 | 0.310 | 0.290 | 0.130 | 0.100 | | | | | mg/L | |
| 90 TOTAL COLIFORM MF | R | 106A3C | 500 | 142A3C | 20A3C | 15A3C | | | | | 0 | ODWO |
| 90 (BAC) count/100mL | T | 0 | 0 | 0 | 0 | 0 | | | | | | Bacti |
| 91 TOTAL COLIFORM BACKGROUND MF | R | 2900 | 21500 | 21000 | 1120 | 13000 | | | | | 0 | OWDO |
| 91 (BAC) count/100mL | T | 0 | 0 | 0 | 0 | 0 | | | | | | Bacti |
| 92 TURBIDITY | R | 6.40 | 4.70 | 11.40 | 16.10 | | | | | | 0.01 | 1 |
| 92 (LAB) FTU | T | 0.54<T | 0.37<T | 0.64<T | 0.40<T | | | | | | FTU | FTU |
| 93 URANIUM | R | <W | <W | <W | <W | <W | | | | | 0.002 | .02 |
| 93 (MET) mg/L | T | <W | <W | <W | <W | <W | | | | | mg/L | mg/L t |
| 94 VANADIUM | R | <W | 0.003 | 0.001 | <W | 0.001 | | | | | 0.001 | |
| 94 (MET) mg/L | T | <W | 0.003 | <W | <W | <W | | | | | mg/L | |
| 95 HEXACHLOROBUTADIENE | R | <W | <W | <W | <W | <W | | | | | 1 | 4500 |
| 95 (CHA) ng/L | T | <W | <W | BL | | <W | | | | | ng/L | ng/L e |
| 96 1,1-DICHLOROETHYLENE | R | <W | <W | <W | <W | | | | | | 1 | .3 |
| 96 (VOL) ug/L | T | <W | <W | <W | <W | | | | | | ug/L | ug/L h |
| 97 T,1,2-DICHLOROETHYLENE | R | <W | <W | <W | <W | | | | | | 1 | |
| 97 (VOL) ug/L | T | <W | <W | <W | <W | | | | | | ug/L | |
| 98 1,1-DICHLOROETHANE | R | <W | <W | <W | <W | | | | | | 1 | |
| 98 (VOL) ug/L | T | <W | <W | <W | <W | | | | | | ug/L | |
| 99 CHLOROFORM | R | <W | <W | <W | <W | | | | | | 1 | 350 |
| 99 (VOL) ug/L | T | 39 | 49 | 54 | 24 | | | | | | ug/L | ug/L ++ |

STONEY POINT WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 10a

| PARAMETERS | | | DATE | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------------------|---|----|--------|--------|--------|-------|--------|--|--|--|--------------------|--|
| | | | JAN 29 | FEB 26 | MAR 18 | APR 7 | APR 21 | | | | | |
| 100 DICHLOROMETHANE | R | <W | <W | CS | CS | | | | | | 5 | 40 |
| 100 (VOL) ug/L | T | <W | <W | CS | CS | | | | | | ug/L | ug/L c |
| 101 1,1,1-TRICHLOROETHANE | R | <W | <W | <W | <W | | | | | | 1 | 1000 |
| 101 (VOL) ug/L | T | <W | <W | <W | <W | | | | | | ug/L | ug/L c |
| 102 1,2-DICHLOROETHANE | R | <W | <W | <W | <W | | | | | | 1 | 10 |
| 102 (VOL) ug/L | T | <W | <W | <W | <W | | | | | | ug/L | ug/L h |
| 103 CARBON TETRACHLORIDE | R | <W | <W | <W | <W | | | | | | 1 | 3 |
| 103 (VOL) ug/L | T | <W | <W | <W | <W | | | | | | ug/L | ug/L h |
| 104 1,2 DICHLOROPROPANE | R | <W | <W | <W | <W | | | | | | 1 | |
| 104 (VOL) ug/L | T | <W | <W | <W | <W | | | | | | ug/L | |
| 105 TRICHLOROETHYLENE | R | <W | <W | <W | <W | | | | | | 1 | 30 |
| 105 (VOL) ug/L | T | <W | <W | <W | <W | | | | | | ug/L | ug/L h |
| 106 DICHLOROBROMOMETHANE | R | <W | <W | <W | <W | | | | | | 1 | 350 |
| 106 (VOL) ug/L | T | 17 | 16 | 15 | 10 | | | | | | ug/L | ug/L ++ |
| 107 1,1,2-TRICHLOROETHANE | R | <W | <W | <W | <W | | | | | | 1 | 6 |
| 107 (VOL) ug/L | T | <W | <W | <W | <W | | | | | | ug/L | ug/L e |
| 108 CHLORODIBROMOMETHANE | R | <W | <W | <W | <W | | | | | | 1 | 350 |
| 108 (VOL) ug/L | T | 13 | 8 | 6 | 6 | | | | | | ug/L | ug/L ++ |
| 109 TETRACHLOROETHYLENE | R | <W | <W | <W | <W | | | | | | 1 | 10 |
| 109 (VOL) ug/L | T | <W | <W | <W | <W | | | | | | ug/L | ug/L h |
| 110 BROMOFORM | R | <W | <W | <W | <W | | | | | | 1 | 350 |
| 110 (VOL) ug/L | T | <W | <W | <W | <W | | | | | | ug/L | ug/L ++ |

STONEY POINT WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 11a

| PARAMETERS | | | D A T E | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-------------------------------|---|----|---------|--------|--------|-------|--------|--|--|--|--------------------|--|
| | | | JAN 29 | FEB 26 | MAR 18 | APR 7 | APR 21 | | | | | |
| 111 1,1,2,2-TETRACHLOROETHANE | R | <W | <W | <W | <W | <W | | | | | 1 | 1.7 |
| 111 (VOL) ug/L | T | <W | <W | <W | <W | | | | | | ug/L | ug/L e |
| 112 HEXACHLOROBENZENE | R | <W | <W | <W | <W | <W | | | | | 1 | 10 |
| 112 (PST) ng/L | T | <W | <W | <W | <W | | | | | | ng/L | ng/L h |
| 113 HEXACHLOROETHANE | R | <W | <W | <W | <W | <W | | | | | 1 | 19000 |
| 113 (CHA) ng/L | T | <W | 2<T | <W | <W | | | | | | ng/L | ng/L e |
| 114 OCTACHLOROSTYRENE | R | <W | <W | <W | <W | <W | | | | | 1 | |
| 114 (CHA) ng/L | T | <W | <W | <W | <W | | | | | | ng/L | |
| 115 PENTACHLOROBENZENE | R | <W | <W | <W | <W | <W | | | | | 1 | 74000 |
| 115 (CHA) ng/L | T | <W | <W | <W | <W | | | | | | ng/L | ng/L e |
| 116 TOTAL TRIHALOMETHANES | R | <W | <W | <W | <W | <W | | | | | 3 | 350 |
| 116 (VOL) ug/L | T | 69 | 73 | 75 | 40 | | | | | | ug/L | ug/L ++ |
| 117 2,3,6-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | | | | | 5 | |
| 117 (CHA) ng/L | T | 50 | 23<T | BL | <W | | | | | | ng/L | |
| 118 2,4,5-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | | | | | 5 | 10000 |
| 118 (CHA) ng/L | T | <W | <W | <W | <W | | | | | | ng/L | ng/L g |
| 119 2,6,A-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | | | | | 5 | |
| 119 (CHA) mg/L | T | <W | <W | <W | <W | | | | | | ng/L | |
| 120 CHLOROBENZENE | R | <W | <W | <W | <W | <W | | | | | 1 | 100-300 |
| 120 (VOL) ug/L | T | <W | <W | <W | <W | | | | | | ng/L | ng/L h* |
| 121 1,4-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | | | | | 1 | 400 |
| 121 (VOL) ug/L | T | <W | <W | <W | <W | | | | | | ug/L | ug/L e |

STONEY POINT WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 12a

| PARAMETERS | | | DATE | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|--------------------------------|---|----|--------|--------|--------|-------|--------|--|--|--|--------------------|--|
| | | | JAN 29 | FEB 26 | MAR 18 | APR 7 | APR 21 | | | | | |
| 122 1,3-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | | | | | 1 | 400 |
| 122 (VOL) ug/L | T | <W | <W | <W | <W | <W | | | | | ug/L | ug/L e |
| 123 1,2-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | | | | | 1 | 400 |
| 123 (VOL) ug/L | T | <W | <W | <W | <W | <W | | | | | ug/L | ug/L e |
| 124 TRIFLUOROCHLOROTOLUENE | R | <W | <W | <W | <W | <W | | | | | 1 | |
| 124 (CHA) ug/L | T | <W | <W | <W | <W | <W | | | | | ug/L | |
| 125 1,2,3-TRICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | | | | 5 | 10000 |
| 125 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | | | | ng/L | ng/L y |
| 126 1,2,3,4-TETRACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | | | | 1 | |
| 126 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | | | | ng/L | |
| 127 1,2,3,5-TETRACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | | | | 1 | |
| 127 (CHA) ng/L | T | <W | <W | BL | <W | <W | <W | | | | ng/L | |
| 128 1,2,4-TRICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | | | | 5 | 15000 |
| 128 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | | | | ng/L | ng/L y |
| 129 1,2,4,5-TETRACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | | | | 1 | 38000 |
| 129 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | | | | ng/L | ng/L e |
| 130 1,3,5-TRICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | | | | 5 | 10000 |
| 130 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | | | | ng/L | ng/L y |
| 131 PENTACHLOROPHENOL | R | + | + | + | + | + | + | | | | 50 | 10000 |
| 131 (CHP) ng/L | T | + | + | + | + | + | + | | | | ng/L | ng/L h |
| 132 2,3,4-TRICHLOROPHENOL | R | + | + | + | + | + | + | | | | 100 | |
| 132 (CHP) ng/L | T | + | + | + | + | + | + | | | | ng/L | |

STONEY POINT WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 13a

[illegible]

PAGE 14a

[illegible]

**STONEY POINT WATER TREATMENT PLANT
1986 DWSP DATA**

PAGE 15a

| PARAMETERS | | | D A T E | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-------------------------|---|----|---------|--------|--------|-------|--------|--|--|--|--------------------|--|
| | | | JAN 29 | FEB 26 | MAR 18 | APR 7 | APR 21 | | | | | |
| 155 DIMETHYL FLUORENE | R | <W | | | | | | | | | 0.1 | |
| 155 (MS) ug/L | T | <W | | | | | | | | | ug/L | |
| 156 BUTOXY ETHOXYETHANE | R | <W | | | | | | | | | 0.1 | |
| 156 (MS) ug/L | T | <W | | | | | | | | | ug/L | |
| 157 STYRENE | R | <W | | | | | | | | | 0.1 | |
| 157 (MS) ug/L | T | <W | | | | | | | | | ug/L | |

* - Hydrocarbon "envelope" - total concentration is number given - number in brackets is an estimation of the number of compounds in the envelope

** - Number in brackets is number of isomers present al

LAB - Chemistry (LAB)

FLD - Chemistry (FIELD)

BAC - Bacteriological

MS - Mass Spec. Ana.

MET - Metal

VOL - Volatiles

PST - PCB/OC Scan. Pesticides

CHA - Chloroaromatics

CHA - Chloroaromatics

CHP - Chlorophenols cides

SPC - Specific Pesticides

TABLE A

WALLACEBURG WATER TREATMENT PLANT
1985 DWSP DATA

PAGE 1

| PARAMETERS | | | DATE | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|----------------|------|---|-------|-------|-------|--------|-------|-------|--------|--------|-------|--------|--------------------|--|
| | | | JUN 5 | JUL 3 | AUG 6 | SEP 3 | OCT 7 | NOV 5 | NOV 15 | NOV 26 | DEC 2 | DEC 10 | | |
| 1 ALKALINITY | | R | 82.0 | 83.6 | 81.6 | UR | 82.0 | 134.6 | 94.4 | 80.6 | 170.6 | 80.8 | 0.2 | |
| 1 (LAB) | mg/L | T | 72.6 | 74.2 | 73.6 | 76.4 | 71.2 | NR | 71.4 | 72.0 | 105.4 | 72.4 | mg/L | |
| 2 ALUMINUM | | R | 0.130 | 0.300 | 0.110 | 0.048 | 0.062 | 1.300 | NR | 0.056 | 2.300 | 0.100 | 0.003 | |
| 2 (MET) | mg/L | T | 0.059 | 0.100 | 0.098 | 0.180 | 0.046 | 0.019 | NR | 0.026 | 0.210 | 0.034 | mg/L | |
| 3 ARSENIC | | R | <W | <W | <W | <W | <W | <W | <W | <W | 0.001 | <W | 0.001 | 0.05 |
| 3 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | mg/L |
| 4 BARIUM | | R | 0.013 | 0.015 | 0.014 | 0.011 | 0.013 | 0.038 | NR | 0.012 | 0.037 | 0.011 | 0.001 | 1 |
| 4 (MET) | mg/L | T | 0.009 | 0.013 | 0.014 | 0.010 | 0.013 | 0.027 | NR | 0.014 | 0.020 | 0.014 | mg/L | mg/L |
| 5 BORON | | R | 0.14 | 0.36 | <0.02 | .03UPR | 0.03 | <W | NR | 0.06 | 0.05 | <W | 0.02 | 5 |
| 5 (MET) | mg/L | T | 0.05 | 0.29 | <0.02 | .04UPR | 0.08 | <W | NR | 0.07 | 0.07 | 0.04 | mg/L | mg/L |
| 6 BERYLLIUM | | R | <W | <W | <W | <W | <W | <W | NR | <W | <W | <W | 0.001 | |
| 6 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | NR | <W | <W | <W | mg/L | |
| 7 BENZENE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 1 | 10 |
| 7 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ug/L | ug/L h |
| 8 TOLUENE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 100 |
| 8 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ug/L | ug/L c |
| 9 ETHYLBENZENE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 1400 |
| 9 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ug/L | ug/L e |
| 10 P-XYLENE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 620 |
| 10 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ug/L | ug/L c |
| 11 M-XYLENE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 620 |
| 11 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ug/L | ug/L c |

PAGE 2

| PARAMETERS | | | DATE | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/GUIDELINE ¹ | |
|-------------------|-------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|---|------------|
| | | | JUN 5 | JUL 3 | AUG 6 | SEP 3 | OCT 7 | NOV 5 | NOV 15 | NOV 26 | DEC 2 | | | DEC 10 |
| 12 O-XYLENE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 ug/L | 620 ug/L | |
| 12 (VOL) | ug/L | T | <W | <W | <W | <W | <W | NS | <W | <W | <W | | | |
| 13 CALCIUM | | R | 26.0 | 22.0 | 25.5 | UR | 27.0 | 58.0 | 35.0 | 27.5 | 78.0 | 26.8 | 0.1 mg/L | |
| 13 (LAB) | mg/L | T | 27.0 | 23.0 | 26.0 | 26.2 | 27.0 | !NR | 38.2 | 28.0 | 57.0 | 27.5 | | |
| 14 CYANIDE | | R | <W | <W | <W | <W | <W | <W | NR | <W | <W | <W | 0.001 mg/L | 0.2 mg/L |
| 14 (MET) | mg/L | T | <W | <W | <W | <W | <W | !NR | NR | <W | <W | <W | | |
| 15 CADMIUM | | R | <W | <W | <W | <W | <W | <W | NR | <W | 0.0003 | <W | 0.0003 mg/L | 0.005 mg/L |
| 15 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | NR | <W | <W | <W | | |
| 16 CHLORIDE | | R | 8.8 | 6.6 | 8.8 | UR | 8.8 | 30.8 | 11.8 | 8.8 | 23.2 | 8.4 | 0.2 mg/L | 250 mg/L |
| 16 (LAB) | mg/L | T | 10.2 | 9.4 | 13.0 | 8.8 | 10.6 | !NR | 15.4 | 11.0 | 21.0 | 12.4 | | |
| 17 COLOUR | TCU | R | 4.0 | 3.0 | 5.0 | UR | 2.0 | 47.0 | 56.0 | 3.0 | 56.0 | 3.5 | 0.5 TCU | 5 TCU |
| 17 (LAB) | | T | 1.0<T | 0.5<T | <W | 5.0 | <W | !NR | 3.0 | <W | 7.5 | <W | | |
| 18 CONDUCTIVITY | | R | 221.00 | 220.00 | 225.00 | UR | 221.00 | 469.00 | 282.00 | 227.00 | 536.00 | 229.00 | 0.01 UMHO/CM | |
| 18 (LAB) | umho/cm | T | 230.00 | 227.00 | 239.00 | 228.00 | 232.00 | NR | 311.00 | 233.00 | 440.00 | 237.00 | | |
| 19 COBALT | | R | <W | 0.019 | <W | <W | <W | 0.002 | NR | <W | 0.003 | <W | 0.001 mg/L | |
| 19 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | NR | <W | <W | <W | | |
| 20 CHROMIUM | | R | <W | 0.001 | <W | 0.002 | <W | 0.001 | NR | 0.001 | 0.009 | 0.001 | 0.001 mg/L | 0.05 mg/L |
| 20 (MET) | mg/L | T | <W | <W | <W | 0.002 | <W | <W | NR | 0.001 | 0.003 | 0.001 | | |
| 21 COPPER | | R | 0.002 | 0.002 | 0.002 | 0.013 | 0.002 | 0.004 | NR | 0.002 | 0.016 | 0.004 | 0.001 mg/L | 1 mg/L |
| 21 (MET) | mg/L | T | <W | 0.018 | 0.008 | 0.049 | 0.039 | 0.063 | NR | <W | 0.005 | 0.002 | | |
| 22 F. COLIFORM MF | | R | LA | 18500 | 1100 | 1700 | 2000 | 103 | NR | 111 | TN | 104 | 0 | 0/0.1 mL |
| 22 (BAC) | count/100mL | T | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |

**WALLACEBURG WATER TREATMENT PLANT
1985 DWSP DATA**

PAGE 3

| PARAMETERS | | | DATE | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|------------------------------|----------|---|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------------------|--|------------------------------|
| | | | JUN 5 | JUL 3 | AUG 6 | SEP 3 | OCT 7 | NOV 5 | NOV 15 | NOV 26 | DEC 2 | | | DEC 10 |
| 23 IRON | | R | 0.330 | 0.450 | 0.170 | 0.140 | 0.120 | 1.200 | NR | 0.082 | 2.100 | 0.071 | 0.002 mg/L | 0.3 mg/L |
| 23 (MET) | mg/L | T | <W | 0.049 | 0.003 | 0.023 | 0.002 | 0.040 | NR | <W | 0.053 | <W | | |
| 24 FLUORIDE | | R | 0.10 | 0.07 | 0.07 | UR | 0.08 | 0.16 | 0.12 | 0.08 | 0.16 | 0.07 | 0.01 mg/L | 2.4 mg/L |
| 24 (LAB) | mg/L | T | 0.87 | 0.05 | 0.35 | 0.32 | 1.20 | !NR | 0.10 | 0.08 | 0.07 | 0.07 | | |
| 25 FIELD CHLORINE (COMBINED) | | R | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 25 (FLD) | | T | 0.20 | 0.10 | 0.05 | NS | NS | 0.20 | NS | 0.10 | 0.10 | 0.20 | | |
| 26 FIELD CHLORINE (FREE) | | R | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 26 (FLD) | | T | 0.80 | 0.80 | 0.95 | 1.00 | 1.00 | 0.80 | NS | 0.70 | 1.00 | 0.90 | | |
| 27 FIELD CHLORINE (TOTAL) | | R | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 27 (FLD) | | T | 1.00 | 0.90 | 1.00 | >1.00 | >1.00 | 1.00 | NS | 0.80 | 1.10 | 1.10 | | |
| 28 FIELD PH | | R | NS | 7.40 | 7.80 | 7.80 | 7.80 | 7.60 | NS | 7.70 | 7.90 | 7.70 | | |
| 28 (FLD) | | T | NS | NS | 7.30 | 7.40 | 7.20 | 7.00 | NS | 7.30 | 6.90 | 6.80 | | |
| 29 FIELD TEMPERATURE | | R | 14.0 | 18.0 | 20.0 | 22.0 | 15.0 | 11.0 | NS | NS | 3.8 | 5.0 | | |
| 29 (FLD) | | T | 14.0 | 18.0 | 20.0 | 21.0 | 16.0 | 12.0 | NS | NS | 5.5 | 6.0 | | |
| 30 FIELD TURBIDITY | | R | 5.10 | 9.00 | 6.75 | 5.00 | 3.25 | 22.00 | NS | 2.40 | 147.00 | 2.40 | | 1 FTU |
| 30 (FLD) | | T | 0.25 | 0.80 | 1.00 | 0.30 | 0.20 | 1.00 | NS | 0.18 | 1.75 | 0.25 | | |
| 31 HARDNESS | | R | 95.0 | 85.0 | 93.0 | UR | 98.0 | 204.0 | 126.0 | 97.9 | 256.0 | 96.1 | 0.5 mg/L | |
| 31 (LAB) | mg/L | T | 98.0 | 87.0 | 95.0 | 95.0 | 97.0 | !NR | 134.0 | 99.6 | 193.0 | 99.5 | | |
| 32 STANDARD PLATE COUNT MF | | R | AW | >2400 | >2400 | >2400 | AW | OP | NR | 760 | >2400 | 800 | 0 | 500 orga- nisms per mL |
| 32 (BAC) | count/mL | T | AW | 14 | 2 | AW | AW | 22 | NR | 0 | 8 | AW | | |
| 33 MERCURY | | R | <W | <W | <W | <W | 0.01 | 0.01 | NR | 0.01 | 0.01 | <W | 0.01 ug/L | 1 ug/L |
| 33 (MET) | ug/L | T | <W | <W | <W | <W | 0.01 | 0.01 | NR | 0.01 | 0.01 | <W | | |

**WALLACEBURG WATER TREATMENT PLANT
1985 DWSP DATA**

PAGE 4

| PARAMETERS | | | DATE | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|----------------------------|------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------------|--|--------------|
| | | | JUN 5 | JUL 3 | AUG 6 | SEP 3 | OCT 7 | NOV 5 | NOV 15 | NOV 26 | DEC 2 | | | DEC 10 |
| 34 MAGNESIUM | | R | 7.30 | 7.40 | 7.20 | UR | 7.50 | 14.50 | 9.25 | 7.10 | 15.00 | 7.10 | 0.05 | 0.05 mg/L |
| 34 (LAB) | mg/L | T | 7.30 | 7.20 | 7.30 | 7.30 | 7.30 | !NR | 9.40 | 7.20 | 12.30 | 7.50 | mg/L | |
| 35 MANGANESE | | R | .008<T | 0.012 | 0.005 | 0.004 | 0.004 | 0.026 | NR | 0.003 | 0.043 | 0.003 | 0.001 | |
| 35 (MET) | mg/L | T | <W | 0.001 | <W | <W | <W | 0.004 | NR | <W | 0.007 | <W | mg/L | |
| 36 MOLYBDENUM | | R | <W | 0.001 | 0.001 | 0.001 | <W | 0.001 | NR | 0.002 | 0.002 | <W | 0.001 | |
| 36 (MET) | mg/L | T | <W | 0.001 | <W | 0.001 | <W | 0.001 | NR | 0.002 | 0.002 | 0.001 | mg/L | |
| 37 SODIUM | | R | 5.5 | 5.8 | 5.8 | UR | 6.2 | 13.5 | 6.5 | 5.5 | 9.4 | 7.0 | 0.1 | |
| 37 (LAB) | mg/L | T | 6.0 | 5.8 | 6.8 | 4.8 | 7.2 | !NR | 7.0 | 6.0 | 8.5 | 6.5 | mg/L | |
| 38 NICKEL | | R | <W | <W | <W | <W | <W | 0.002 | NR | <W | 0.006 | <W | 0.002 | |
| 38 (MET) | mg/L | T | <W | <W | <W | <W | <W | 0.002 | NR | <W | 0.002 | <W | mg/L | |
| 39 AMMONIUM TOTAL | | R | 0.10<T | <W | <W | UR | <W | <W | NR | <W | <W | <W | 0.05 | |
| 39 (LAB) | mg/L | T | 0.10<T | <W | <W | <W | <W | !NR | NR | <W | <W | <W | mg/L | |
| 40 NITRITE | | R | 0.01<T | .015<T | 0.01<T | UR | <W | 0.095 | 0.03<T | 0.01<T | 0.120 | 0.010<T | 0.005 | |
| 40 (LAB) | mg/L | T | <W | 0.01<T | <W | <W | <W | !NR | <W | <W | 0.10<T | <W | mg/L | |
| 41 NITRATE | | R | - | - | - | - | 0.20<T | 2.90 | 1.37 | 0.34 | 5.90 | 0.30<T | 0.05 | |
| 41 (LAB) | mg/L | T | - | - | - | - | 0.20<T | !NR | 1.80 | 0.35 | 3.30 | 0.25 | mg/L | |
| 42 NITROGEN TOTAL KJELDAHL | | R | 0.3<T | 0.3<T | 0.2<T | UR | <0.3<T | 0.50 | NR | 0.30<T | 1.00 | 0.70 | 0.1 | |
| 42 (LAB) | mg/L | T | 0.2<T | 0.2<T | 0.2<T | 0.4<T | <W | !NR | NR | 0.10<T | 0.30<T | 0.10<T | mg/L | |
| 43 PRESENCE/ABSENCE | | R | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0 | |
| 43 (BAC) | | T | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | NR | ABSENT | ABSENT | ABSENT | | |
| 44 LEAD | mg/L | R | <W | <W | <W | <W | <W | <W | NR | <W | 0.007 | <W | 0.003 | |
| 44 (MET) | | T | <W | <W | <W | <W | 0.004 | 0.005 | NR | <W | <W | <W | mg/L | |

WALLACEBURG WATER TREATMENT PLANT
1985 DWSP DATA

PAGE 5

| PARAMETERS | | DATE | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------------------------|---|--------|--------|--------|-------|-------|--------|--------|--------|-------|--------|--------------------|--|
| | | JUN 5 | JUL 3 | AUG 6 | SEP 3 | OCT 7 | NOV 5 | NOV 15 | NOV 26 | DEC 2 | DEC 10 | | |
| 45 PH | R | 8.31 | 8.25 | 8.35 | UR | 8.21 | 7.89 | 7.89 | 8.12 | 8.00 | 8.17 | | |
| 45 (LAB) | T | 7.48 | 7.68 | 7.51 | 7.72 | 7.43 | !NR | 7.10 | 7.68 | 7.08 | 7.40 | | |
| 46 PHOSPHORUS FILTERED REACTIVE | R | AD | <W | <W | UR | <W | <W | NR | <W | <W | <W | 0.01 | |
| 46 (LAB) mg/L | T | AD | <W | <W | <W | <W | !NR | NR | <W | <W | <W | mg/L | |
| 47 PHOSPHORUS TOTAL | R | 0.02<T | 0.04<T | 0.02<T | UR | <W | 0.09<T | NR | <W | 0.20 | 0.10<T | 0.01 | |
| 47 (LAB) mg/L | T | 0.02<T | 0.02<T | <W | <W | <W | !NR | NR | <W | <W | <W | mg/L | |
| 48 ALDRIN | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 1 | 700 |
| 48 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ng/L | ng/L ** |
| 49 ALPHA BHC | R | <W | <W | <W | <W | 3<T | 2<T | 2<T | LA | 1<T | 3<T | 1 | 700 |
| 49 (PST) ng/L | T | <W | <W | <W | <W | 5<T | 2<T | NS | 2<T | 1<T | <W | ng/L | ng/L c |
| 50 BETA BHC | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 1 | 300 |
| 50 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | NS | 2<T | <W | <W | ng/L | ng/L c |
| 51 LINDANE | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 1 | 4000 |
| 51 (PST) ng/L | T | <W | <W | <W | <W | 2<T | 1<T | NS | <W | <W | <W | ng/L | ng/L |
| 52 ALPHA CHLORDANE | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 2 | 700 |
| 52 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ng/L | ng/L *** |
| 53 GAMMA CHLORDANE | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 2 | 700 |
| 53 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ng/L | ng/L *** |
| 54 DIELDIN | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 2 | 700 |
| 54 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ng/L | ng/L ** |
| 55 METHOXYCHLOR | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 5 | 100000 |
| 55 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ng/L | ng/L |

WALLACEBURG WATER TREATMENT PLANT
1985 DWSP DATA

PAGE 6

| PARAMETERS | | | DATE | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-----------------------|------|---|-------|-------|-------|-------|-------|-------|--------|--------|-------|--------|--------------------|--|
| | | | JUN 5 | JUL 3 | AUG 6 | SEP 3 | OCT 7 | NOV 5 | NOV 15 | NOV 26 | DEC 2 | DEC 10 | | |
| 56 ENDRIN | | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 4 | 200 |
| 56 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ng/L | ng/L |
| 57 THIODAN SULPHATE | | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 4 | |
| 57 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ng/L | |
| 58 THIODAN I | | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 2 | 74000 |
| 58 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ng/L | ng/L ea |
| 59 THIODAN II | | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 4 | 74000 |
| 59 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ng/L | ng/L ea |
| 60 METHYLPARATHION | | R | - | - | - | - | - | + | + | + | + | + | 50 | 7000 |
| 60 (SPC) | | T | - | - | - | - | - | + | + | + | + | + | ng/L | ng/L |
| 61 PARATHION | | R | - | - | - | - | - | + | + | + | + | + | 50 | 35000 |
| 61 (SPC) | | T | - | - | - | - | - | + | + | + | + | + | ng/L | ng/L |
| 62 HEPTACHLOR EPOXIDE | | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 1 | 3000 +++ |
| 62 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ng/L | ng/L |
| 63 HEPTACHLOR | | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 1 | 3000 |
| 63 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | NS | 3>T | <W | <W | ng/L | ng/L +++ |
| 64 MIREX | | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 5 | |
| 64 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ng/L | |
| 65 OXYCHLORDANE | | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 2 | |
| 65 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ng/L | |
| 66 O, P, -DDT | | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 5 | 30000 |
| 66 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ng/L | ng/L d |

WALLACEBURG WATER TREATMENT PLANT
1985 DWSP DATA

PAGE 7

| PARAMETERS | | | D A T E | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------|------|---|---------|-------|-------|-------|-------|-------|--------|--------|-------|--------|--------------------|--|
| | | | JUN 5 | JUL 3 | AUG 6 | SEP 3 | OCT 7 | NOV 5 | NOV 15 | NOV 26 | DEC 2 | DEC 10 | | |
| 67 PCB | | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 20 | 3000 |
| 67 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ng/L | ng/L t |
| 68 P,P-DDD | | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 5 | d |
| 68 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ng/L | |
| 69 P,P-DDE | | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 1 | d |
| 69 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ng/L | |
| 70 P,P-DDT | | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 5 | d |
| 70 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ng/L | |
| 71 AMETRINE | | R | + | <W | + | + | <W | + | + | + | + | + | 50 | |
| 71 (SPC) | ng/L | T | + | <W | + | + | <W | + | + | + | + | + | ng/L | |
| 72 ATRAZINE | | R | + | <W | + | + | <W | + | + | + | + | + | 50 | 46000 |
| 72 (SPC) | ng/L | T | + | <W | + | + | <W | + | + | + | + | + | ng/L | ng/L ! |
| 73 DIAZINON | | R | + | + | + | + | NS | + | + | + | + | + | 50 | 14000 |
| 73 (SPC) | ng/L | T | + | + | + | + | NS | + | + | + | + | + | ng/L | ng/L |
| 74 BLADEX | | R | + | + | + | + | <W | + | + | + | + | + | 100 | 10000 |
| 74 (SPC) | ng/L | T | + | + | + | + | <W | + | + | + | + | + | ng/L | ng/L ! |
| 75 PROMETONE | | R | + | + | + | + | <W | + | + | + | + | + | 50 | |
| 75 (SPC) | ng/L | T | + | + | + | + | <W | + | + | + | + | + | ng/L | |
| 76 PROPAZINE | | R | + | + | + | + | <W | + | + | + | + | + | 50 | |
| 76 (SPC) | ng/L | T | + | + | + | + | <W | + | + | + | + | + | ng/L | |
| 77 PROMETRYNE | | R | + | + | + | + | <W | + | + | + | + | + | 50 | 1000 |
| 77 (SPC) | ng/L | T | + | + | + | + | <W | + | + | + | + | + | ng/L | ng/L ! |

WALLACEBURG WATER TREATMENT PLANT
1985 DWSP DATA

PAGE 8

[illegible]

WALLACEBURG WATER TREATMENT PLANT
1985 DWSP DATA

PAGE 9

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|---------------------------------|--|---|---------|--------|--------|---------|--------|--------|--------|--------|---------|--------------------|--|----------------|
| | | | JUN 5 | JUL 3 | AUG 6 | SEP 3 | OCT 7 | NOV 5 | NOV 15 | NOV 26 | DEC 2 | | | DEC 10 |
| 89 STRONTIUM | | R | 0.092 | 0.097 | 0.110 | 0.088 | 0.100 | 0.240 | NR | 0.090 | 0.190 | 0.083 | 0.001 mg/L | |
| 89 (MET) mg/L | | T | 0.072 | 0.098 | 0.110 | 0.086 | 0.100 | 0.210 | NR | 0.100 | 0.160 | 0.095 | | |
| 90 TOTAL COLIFORM MF | | R | 100 | 600 | 1100 | 1700A3C | 2000 | 9300 | NR | 800 | 6900A3C | 1300 | 0 | ODWO Bacti |
| 90 (BAC) count/100mL | | T | LA | 0 | 0 | 1 | 0 | 0 | NR | 0 | 0 | 0 | | |
| 91 TOTAL COLIFORM BACKGROUND MF | | R | 16000 | 18500 | 5500 | 34000 | 3900 | 160000 | NR | 2000 | 66000 | 2500 | 0 | OWDO Bacti |
| 91 (BAC) count/100mL | | T | LA | 0 | 0 | 3 | 0 | 0 | NR | 0 | 0 | 0 | | |
| 92 TURBIDITY | | R | 9.10 | 15.00 | 3.80 | UR | 3.60 | 31.00 | 56.00 | 4.10 | 111.00 | 3.40 | 0.01 FTU | 1 FTU |
| 92 (LAB) FTU | | T | 0.21<T | 0.39<T | 0.19<T | 0.15<T | 0.10<T | NR | 1.72 | 0.30<T | 1.94 | 0.10<T | | |
| 93 URANIUM | | R | <W | <W | <W | <W | <W | <W | NR | <0.002 | <W | <W | 0.002 mg/L | .02 mg/L t |
| 93 (MET) mg/L | | T | <W | <W | <W | <W | <W | <W | NR | <0.002 | <W | <W | | |
| 94 VANADIUM | | R | <W | 0.001 | 0.001 | <W | <W | 0.003 | NR | 0.001 | 0.006 | <W | 0.001 mg/L | |
| 94 (MET) mg/L | | T | <W | <W | 0.001 | 0.001 | <W | 0.001 | NR | 0.001 | 0.002 | <W | | |
| 95 HEXACHLOROBUTADIENE | | R | <W | <W | <W | <W | <W | 7<T | <W | LA | <W | 5<T | 1 ng/L | 4500 ng/L e |
| 95 (CHA) ng/L | | T | <W | <W | <W | <W | <W | 2<T | NS | <W | <W | 2<T | | |
| 96 1,1-DICHLOROETHYLENE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 ug/L | .3 ug/L h |
| 96 (VOL) ug/L | | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | | |
| 97 T,1,2-DICHLOROETHYLENE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 ug/L | |
| 97 (VOL) ug/L | | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | | |
| 98 1,1-DICHLOROETHANE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 ug/L | |
| 98 (VOL) ug/L | | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | | |

WALLACEBURG WATER TREATMENT PLANT
1985 DWSP DATA

PAGE 10

| PARAMETERS | | | DATE | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|---------------------------|---|----|-------|-------|-------|-------|-------|-------|--------|--------|-------|--------------------|--|--------|
| | | | JUN 5 | JUL 3 | AUG 6 | SEP 3 | OCT 7 | NOV 5 | NOV 15 | NOV 26 | DEC 2 | | | DEC 10 |
| 99 CHLOROFORM | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 350 | |
| 99 (VOL) ug/L | T | 21 | 21 | 22 | 35 | 26 | 44 | NS | 11 | 29 | 9 | ug/L | ug/L | ++ |
| 100 DICHLOROMETHANE | R | <W | <W | <W | <W | <W | CS | <W | CS | <W | <W | 5 | 40 | |
| 100 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | NS | CS | <W | <W | ug/L | ug/L | c |
| 101 1,1,1-TRICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 1000 | |
| 101 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ug/L | ug/L | c |
| 102 1,2-DICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 10 | |
| 102 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ug/L | ug/L | h |
| 103 CARBON TETRACHLORIDE | R | 1 | <W | <W | 1 | <W | 1 | 1 | 1 | <W | 2 | 1 | 3 | |
| 103 (VOL) ug/L | T | 1 | <W | <W | <W | <W | 1 | NS | 1 | <W | 2 | ug/L | ug/L | h |
| 104 1,2 DICHLOROPROPANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | | |
| 104 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ug/L | | |
| 105 TRICHLOROETHYLENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 30 | |
| 105 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ug/L | ug/L | h |
| 106 DICHLOROBROMOMETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 350 | |
| 106 (VOL) ug/L | T | 9 | 15 | 10 | 14 | 11 | 25 | NS | 9 | 12 | 17 | ug/L | ug/L | ++ |
| 107 1,1,2-TRICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 6 | |
| 107 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ug/L | ug/L | e |
| 108 CHLORODIBROMOMETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 350 | |
| 108 (VOL) ug/L | T | <W | <W | <W | <W | <W | 20 | NS | 13 | 8 | 10 | ug/L | ug/L | ++ |

WALLACEBURG WATER TREATMENT PLANT
1985 DWSP DATA

PAGE 11

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|-------------------------------|---|----|---------|-------|-------|-------|-------|-------|--------|--------|-------|--------------------|--|--------|
| | | | JUN 5 | JUL 3 | AUG 6 | SEP 3 | OCT 7 | NOV 5 | NOV 15 | NOV 26 | DEC 2 | | | DEC 10 |
| 109 TETRACHLOROETHYLENE | R | <W | <W | <W | 4 | <W | <W | <W | <W | <W | <W | 1 | 10 | |
| 109 (VOL) ug/L | T | <W | <W | <W | 3<T | <W | <W | NS | <W | <W | <W | ug/L | ug/L | h |
| 110 BROMOFORM | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 350 | |
| 110 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ug/L | ug/L | ++ |
| 111 1,1,2,2-TETRACHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 1.7 | |
| 111 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ug/L | ug/L | e |
| 112 HEXACHLOROBENZENE | R | <W | <W | 2<T | 7<T | 2<T | <W | <W | LA | <W | 1<T | 1 | 10 | |
| 112 (PST) ng/L | T | <W | <W | <W | 3<T | 3<T | <W | NS | <W | <W | <W | ng/L | ng/L | h |
| 113 HEXACHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 1 | 19000 | |
| 113 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ng/L | ng/L | e |
| 114 OCTACHLOROSTYRENE | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 1 | | |
| 114 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ng/L | | |
| 115 PENTACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 1 | 74000 | |
| 115 (CHA) ng/L | T | <W | <W | <W | 2<T | <W | 2<T | NS | <W | 2<T | <W | ng/L | ng/L | e |
| 116 TOTAL TRIHALOMETHANES | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 3 | 350 | |
| 116 (VOL) ug/L | T | 33 | 43 | 43 | 63 | 47 | 89 | NS | 33 | 49 | 36 | ug/L | ug/L | ++ |
| 117 2,3,6-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 5 | | |
| 117 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | NS | <W | 27<T | <W | ng/L | | |
| 118 2,4,5-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 5 | 10000 | |
| 118 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | NS | 23<T | 13<T | <W | ng/L | ng/L | g |
| 119 2,6,A-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 5 | | |
| 119 (CHA) mg/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ng/L | | |

WALLACEBURG WATER TREATMENT PLANT
1985 DWSP DATA

PAGE 12

| PARAMETERS | | | DATE | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|--------------------------------|---|----|-------|-------|-------|-------|-------|-------|--------|--------|-------|--------------------|--|
| | | | JUN 5 | JUL 3 | AUG 6 | SEP 3 | OCT 7 | NOV 5 | NOV 15 | NOV 26 | DEC 2 | | |
| 120 CHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 100-300 |
| 120 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ng/L | ng/L h* |
| 121 1,4-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 400 |
| 121 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ug/L | ug/L e |
| 122 1,3-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 400 |
| 122 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ug/L | ug/L e |
| 123 1,2-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 400 |
| 123 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ug/L | ug/L e |
| 124 TRIFLUOROCHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | |
| 124 (CHA) ug/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ug/L | |
| 125 1,2,3-TRICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 5 | 10000 |
| 125 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ng/L | ng/L y |
| 126 1,2,3,4-TETRACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 1 | |
| 126 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ng/L | |
| 127 1,2,3,5-TETRACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 1 | |
| 127 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ng/L | |
| 128 1,2,4-TRICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 5 | 15000 |
| 128 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | NS | 40<T | 16<T | <W | ng/L | ng/L y |
| 129 1,2,4,5-TETRACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 1 | 38000 |
| 129 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | NS | <W | 3<T | <W | ng/L | ng/L e |
| 130 1,3,5-TRICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | LA | <W | <W | 5 | 10000 |
| 130 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | NS | <W | <W | <W | ng/L | ng/L y |

WALLACEBURG WATER TREATMENT PLANT
1985 DWSP DATA

PAGE 13

| PARAMETERS | | DATE | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-------------------------------|---|-------|-------|-------|-------|-------|-------|--------|--------|-------|--------|--------------------|--|
| | | JUN 5 | JUL 3 | AUG 6 | SEP 3 | OCT 7 | NOV 5 | NOV 15 | NOV 26 | DEC 2 | DEC 10 | | |
| 131 PENTACHLOROPHENOL | R | + | <W | + | + | <W | + | + | + | + | + | 50 | 10000 ng/L h |
| 131 (CHP) ng/L | T | + | <W | + | + | <W | + | + | + | + | + | ng/L | |
| 132 2,3,4-TRICHLOROPHENOL | R | + | <W | + | + | <W | + | + | + | + | + | 100 | |
| 132 (CHP) ng/L | T | + | <W | + | + | <W | + | + | + | + | + | ng/L | |
| 133 2,3,4,5-TETRACHLOROPHENOL | R | + | <W | + | + | <W | + | + | + | + | + | 50 | 10000 ng/L h |
| 133 (CHP) ng/L | T | + | <W | + | + | <W | + | + | + | + | + | ng/L | |
| 134 2,3,5,6-TETRACHLOROPHENOL | R | + | <W | + | + | <W | + | + | + | + | + | 50 | |
| 134 (CHP) ng/L | T | + | <W | + | + | <W | + | + | + | + | + | ng/L | |
| 135 2,4,5-TRICHLOROPHENOL | R | + | <W | + | + | <W | + | + | + | + | + | 50 | 10000 ng/L h |
| 135 (CHP) ng/L | T | + | <W | + | + | <W | + | + | + | + | + | ng/L | |
| 136 2,4,6-TRICHLOROPHENOL | R | + | <W | + | + | <W | + | + | + | + | + | 50 | |
| 136 (CHP) ng/L | T | + | <W | + | + | <W | + | + | + | + | + | ng/L | |
| 137 ZINC | R | 0.003 | 0.005 | 0.004 | 0.002 | 0.004 | 0.008 | NR | 0.004 | 0.016 | 0.004 | 0.001 | 5 mg/L h |
| 137 (MET) mg/L | T | 0.001 | 0.018 | 0.013 | 0.032 | 0.036 | 0.037 | NR | 0.005 | 0.006 | 0.002 | mg/L | |
| 138 PENTACHLOROPROPANE | R | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | 0.1 | |
| 138 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | ug/L | |
| 139 PENTACHLOROPROPENE | R | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | 0.1 | 0.1 ug/L |
| 139 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | ug/L | |
| 140 HEXACHLOROPROPENE | R | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | 0.1 | |
| 140 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | ug/L | |
| 141 TETRACHLOROBUTANE | R | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | 0.1 | 0.1 ug/L |
| 141 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | ug/L | |

WALLACEBURG WATER TREATMENT PLANT
1985 DWSP DATA

PAGE 14

| PARAMETERS | | | D A T E | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|--------------------------|---|----|---------|-------|-------|-------|-------|-------|--------|--------|-------|--------|--------------------|--|
| | | | JUN 5 | JUL 3 | AUG 6 | SEP 3 | OCT 7 | NOV 5 | NOV 15 | NOV 26 | DEC 2 | DEC 10 | | |
| 142 PENTACHLOROBUTADIENE | R | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | 0.1 | |
| 142 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | ug/L | |
| 143 N-DICHLOROMETHYLENE- | R | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | 0.1 | |
| 143 PENTACHLOROANALINE | T | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | ug/L | |
| 143 (MS) ug/L | | | | | | | | | | | | | | |
| 144 FLUORANTHENE | R | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | 0.1 | |
| 144 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | ug/L | |
| 145 NAPHTHALENE | R | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | 0.1 | |
| 145 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | ug/L | |
| 146 METHYL PHENANTHRENE | R | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | 0.1 | |
| 146 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | ug/L | |
| 147 PYRENE | R | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | 0.1 | |
| 147 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | ug/L | |
| 148 DIPHENYL ETHER | R | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | X<T | 0.1 | |
| 148 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | ug/L | |
| 149 DI-N-BUTYL PHTHALATE | R | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | 0.1 | |
| 149 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | ug/L | ug/L |
| 150 CL BIPHENYL | R | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | 0.1 | |
| 150 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | ug/L | |
| 151 ATRAZINE | R | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | 0.1 | 46 |
| 151 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | ug/L | ug/L |

WALLACEBURG WATER TREATMENT PLANT
1985 DWSP DATA

PAGE 15

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-----------------------------|---|----|---------|-------|-------|-------|-------|-------|--------|--------|-------|--------------------|--|
| | | | JUN 5 | JUL 3 | AUG 6 | SEP 3 | OCT 7 | NOV 5 | NOV 15 | NOV 26 | DEC 2 | | |
| 152 BIPHENYL | R | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | 0.1 | |
| 152 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | NS | X<T | ug/L | |
| 153 ALIPHATIC HYDROCARBONS* | R | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | 0.1 | |
| 153 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | ug/L | |
| 154 TRIMETHYL NAPHTHALENE** | R | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | 0.1 | |
| 154 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | ug/L | |
| 155 DIMETHYL FLUORENE | R | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | 0.1 | |
| 155 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | ug/L | |
| 156 BUTOXY ETHOXYETHANE | R | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | 0.1 | |
| 156 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | ug/L | |
| 157 STYRENE | R | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | 0.1 | |
| 157 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | NS | NS | NS | <W | ug/L | |

* - Hydrocarbon "envelope" - total concentration is number given - number in brackets is an estimation of the number of compounds in the envelope

** - Number in brackets is number of isomers present

LAB - Chemistry (LAB)

FLD - Chemistry (FIELD)

BAC - Bacteriological

MS - Mass Spec. Ana.

MET - Metal

VOL - Volatiles

PST - PCB/OC Scan. Pesticides

CHA - Chloroaromatics

CHP - Chlorophenols

SPC - Specific Pesticides

TABLE A

WALLACEBURG WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 1a

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|----------------|------|---|---------|--------|-------|--------|--------|--------|-------|--------|--------|--------------------|--|--------|
| | | | DEC 16 | DEC 23 | JAN 6 | JAN 12 | JAN 19 | JAN 26 | FEB 3 | FEB 12 | FEB 17 | | | FEB 23 |
| 1 ALKALINITY | | R | 80.2 | 80.6 | 82.0 | 81.2 | 83.6 | 84.0 | 83.4 | 83.2 | 82.4 | 84.8 | 0.2 | |
| 1 (LAB) | mg/L | T | UR | 72.8 | 72.4 | 71.4 | 77.8 | 74.2 | 72.8 | 75.6 | 74.4 | 76.6 | mg/L | |
| 2 ALUMINUM | | R | 0.100 | 0.033 | 0.089 | 0.058 | 0.069 | 0.100 | 0.044 | 0.038 | 0.052 | 0.054 | 0.003 | |
| 2 (MET) | mg/L | T | 0.045 | 0.038 | 0.041 | 0.044 | 0.043 | 0.045 | 0.037 | 0.041 | 0.037 | 0.037 | mg/L | |
| 3 ARSENIC | | R | <W | <W | <W | <W | 0.001 | <W | <W | <W | <W | <W | 0.001 | 0.05 |
| 3 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | mg/L |
| 4 BARIUM | | R | 0.010 | 0.013 | 0.012 | 0.012 | 0.012 | 0.012 | 0.013 | 0.012 | 0.012 | 0.012 | 0.001 | 1 |
| 4 (MET) | mg/L | T | 0.013 | 0.015 | 0.013 | 0.013 | 0.013 | 0.014 | 0.015 | 0.013 | 0.014 | 0.014 | mg/L | mg/L |
| 5 BORON | | R | 0.10 | 0.10 | 0.07 | 0.04 | 0.03 | 0.02 | 0.04 | 0.06 | <W | <W | 0.02 | 5 |
| 5 (MET) | mg/L | T | 0.09 | 0.09 | 0.04 | <W | 0.02 | <W | <W | <W | <W | <W | mg/L | mg/L |
| 6 BERYLLIUM | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 0.001 | |
| 6 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | |
| 7 BENZENE | | R | 2 | <W | 4 | 1 | 1 | 3 | 4 | <W | 1 | 1 | 1 | 10 |
| 7 (VOL) | ug/L | T | 2 | 2 | 1 | 1 | 1 | 1 | 2 | SM | 1 | 1 | ug/L | ug/L h |
| 8 TOLUENE | | R | <W | <W | <W | <W | <W | <W | 1 | <W | <W | <W | 1 | 100 |
| 8 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | <W | SM | <W | <W | ug/L | ug/L c |
| 9 ETHYLBENZENE | | R | <W | <W | <W | <W | <W | 2 | <W | <W | <W | <W | 1 | 1400 |
| 9 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | <W | SM | <W | <W | ug/L | ug/L e |
| 10 P-XYLENE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 620 |
| 10 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | <W | SM | <W | <W | ug/L | ug/L c |
| 11 M-XYLENE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 620 |
| 11 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | <W | SM | <W | <W | ug/L | ug/L c |

WALLACEBURG WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 2a

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|----------------------|---------|---|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------------------|--|--------|
| | | | DEC 16 | DEC 23 | JAN 6 | JAN 12 | JAN 19 | JAN 26 | FEB 3 | FEB 12 | FEB 17 | | | FEB 23 |
| 12 O-XYLENE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 ug/L | 620 ug/L | c |
| 12 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | SM | <W | <W | | | |
| 13 CALCIUM | | R | 27.0 | 27.0 | 27.0 | 28.0 | 28.5 | 28.5 | 28.0 | 28.0 | 28.5 | 0.1 mg/L | | |
| 13 (LAB) | mg/L | T | UR | 27.0 | 28.0 | 28.5 | 30.6 | 28.5 | 28.5 | 28.0 | 29.0 | 29.0 | | |
| 14 CYANIDE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 0.001 | 0.2 | |
| 14 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | mg/L | |
| 15 CADMIUM | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 0.0003 | 0.005 | |
| 15 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | mg/L | |
| 16 CHLORIDE | | R | 7.8 | 10.4 | 10.0 | 10.0 | 11.4 | 10.4 | 11.0 | 10.0 | 10.6 | 0.2 | 250 | |
| 16 (LAB) | mg/L | T | UR | 10.8 | 11.8 | 11.6 | 15.4 | 12.4 | 12.8 | 12.2 | 12.2 | mg/L | mg/L | |
| 17 COLOUR | TCU | R | 3.5 | 5.0 | 4.0 | 3.0 | 9.0 | 8.5 | 6.0 | 4.0 | 3.0 | 0.5 | 5 | |
| 17 (LAB) | | T | UR | <W | <W | <W | <W | <W | <W | <W | <W | TCU | TCU | |
| 18 CONDUCTIVITY | | R | 231.00 | 223.00 | 228.00 | 227.00 | 241.00 | 238.00 | 238.00 | 233.00 | 231.00 | 0.01 | | |
| 18 (LAB) | umho/cm | T | UR | 233.00 | 237.00 | 237.00 | 268.00 | 248.00 | 247.00 | 240.00 | 239.00 | UMHO/CM | | |
| 19 COBALT | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 0.001 | | |
| 19 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | | |
| 20 CHROMIUM | | R | 0.001 | <W | 0.001 | 0.002 | 0.002 | 0.001 | 0.002 | 0.002 | 0.002 | 0.001 | 0.05 | |
| 20 (MET) | mg/L | T | 0.001 | <W | 0.001 | 0.002 | 0.001 | 0.001 | 0.001 | 0.001 | 0.002 | 0.001 | mg/L | mg/L |
| 21 COPPER | | R | 0.006 | 0.011 | 0.004 | 0.003 | 0.003 | 0.006 | 0.003 | 0.004 | 0.004 | 0.001 | 1 | |
| 21 (MET) | mg/L | T | 0.005 | 0.001 | 0.002 | 0.004 | 0.003 | 0.003 | 0.002 | 0.003 | 0.007 | 0.003 | mg/L | mg/L |
| 22 F. COLIFORM MF | | R | 143 | 43 | 62 | >600 | 142 | 25 | 94 | 3 | 32 | 0 | 0/0.1 | |
| 22 (BAC) count/100mL | | T | NA | NA | NA | NA | NA | NA | NA | NA | NA | | mL | |

WALLACEBURG WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 3a

| PARAMETERS | | | DATE | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|------------------------------|----------|---|--------|--------|-------|--------|--------|--------|-------|--------|--------|--------------------|--|------------------------------|
| | | | DEC 16 | DEC 23 | JAN 6 | JAN 12 | JAN 19 | JAN 26 | FEB 3 | FEB 12 | FEB 17 | | | FEB 23 |
| 23 IRON | | R | 0.046 | 0.055 | 0.093 | 0.053 | 0.077 | 0.100 | 0.056 | 0.034 | 0.47 | 0.047 | 0.002 mg/L | 0.3 mg/L |
| 23 (MET) | mg/L | T | 0.004 | 0.005 | <W | <W | <W | 0.004 | <W | <W | <W | <W | | |
| 24 FLUORIDE | | R | 0.08 | 0.08 | 0.11 | 0.10 | 0.09 | 0.10 | 0.09 | 0.13 | 0.08 | 0.09 | 0.01 mg/L | 2.4 mg/L |
| 24 (LAB) | mg/L | T | UR | 0.09 | 1.14 | 1.49 | 1.28 | 1.21 | 2.24 | 0.11 | 0.10 | 0.08 | | |
| 25 FIELD CHLORINE (COMBINED) | | R | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 25 (FLD) | | T | 0.25 | NS | 0.10 | 0.10 | NS | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | | |
| 26 FIELD CHLORINE (FREE) | | R | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 26 (FLD) | | T | 0.75 | 1.00 | 0.90 | 0.90 | NS | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | | |
| 27 FIELD CHLORINE (TOTAL) | | R | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 27 (FLD) | | T | 1.00 | 1.00 | 1.00 | 1.00 | >1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | |
| 28 FIELD PH | | R | 7.70 | 8.00 | 8.10 | 8.20 | 8.20 | 8.10 | 8.20 | 8.20 | 8.20 | 8.10 | | |
| 28 (FLD) | | T | 7.10 | 7.40 | 7.20 | 7.30 | 7.30 | 7.30 | 7.30 | 7.30 | 7.20 | 7.30 | | |
| 29 FIELD TEMPERATURE | | R | 3.0 | 2.0 | 0.5 | 0.5 | 0.5 | 0.1 | 1.0 | 1.0 | 1.0 | 1.0 | | |
| 29 (FLD) | | T | 6.0 | 3.0 | 3.0 | 1.0 | 1.2 | 2.5 | 1.0 | 2.0 | 3.0 | 3.0 | | |
| 30 FIELD TURBIDITY | | R | 3.00 | 2.50 | 2.00 | 2.50 | 4.10 | 6.00 | 5.00 | 2.50 | 2.10 | 2.00 | | 1 FTU |
| 30 (FLD) | | T | 0.25 | 0.15 | 0.16 | 0.10 | 0.40 | 0.30 | 0.35 | 0.21 | 0.20 | 0.10 | | |
| 31 HARDNESS | | R | 96.6 | 97.5 | 97.7 | 100.8 | 102.5 | 102.5 | 101.0 | 102.0 | 102.0 | 105.0 | 0.5 mg/L | |
| 31 (LAB) | mg/L | T | UR | 97.5 | 100.0 | 102.0 | 110.2 | 102.5 | 102.0 | 101.0 | 104.0 | 105.0 | | |
| 32 STANDARD PLATE COUNT MF | | R | 2100 | AW | 1300 | 800 | >2400 | OP | >2400 | 93 | 900 | 900 | 0 | 500 orga- nisms per mL |
| 32 (BAC) | count/mL | T | 0 | AW | 0 | 2 | 11 | 0 | 280 | AW | 1 | 3 | | |
| 33 MERCURY | | R | <W | <W | <W | <W | <W | <W | <W | 0.01 | 0.01 | <W | 0.01 ug/L | 1 ug/L |
| 33 (MET) | ug/L | T | <W | 0.01 | <W | 0.01 | <W | <W | 0.01 | 0.01 | 0.01 | 0.01 | | |

PAGE 4a

| PARAMETERS | | | DATE | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | | |
|----------------------------|------|---|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------------------|--|----------------|-----------------|
| | | | DEC 16 | DEC 23 | JAN 6 | JAN 12 | JAN 19 | JAN 26 | FEB 3 | FEB 12 | FEB 17 | | | FEB 23 | |
| 34 MAGNESIUM | | R | 7.10 | 7.30 | 7.35 | 7.50 | 7.60 | 7.60 | 7.50 | 7.70 | 7.50 | 7.80 | 0.05 | 0.05 mg/L | |
| 34 (LAB) | mg/L | T | UR | 7.30 | 7.30 | 7.50 | 8.20 | 7.60 | 7.60 | 7.50 | 7.60 | 7.80 | mg/L | | |
| 35 MANGANESE | | R | 0.003 | 0.002 | 0.004 | 0.003 | 0.005 | 0.005 | 0.003 | 0.002 | 0.002 | 0.003 | 0.001 | | 0.05 mg/L |
| 35 (MET) | mg/L | T | <W | <W | <W | <W | 0.001 | 0.001 | <W | <W | <W | <W | mg/L | | |
| 36 MOLYBDENUM | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 0.001 | 0.05 mg/L | |
| 36 (MET) | mg/L | T | 0.001 | <W | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | | |
| 37 SODIUM | | R | 6.5 | 6.5 | 6.5 | 6.5 | 7.5 | 7.5 | 7.0 | 7.5 | 7.0 | 6.5 | 0.1 | | 0.05 mg/L |
| 37 (LAB) | mg/L | T | UR | 6.5 | 7.3 | 7.2 | 9.0 | 8.0 | 8.5 | 7.5 | 7.5 | 6.6 | mg/L | | |
| 38 NICKEL | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 0.002 | 1 mg/L as N | |
| 38 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | | |
| 39 AMMONIUM TOTAL | | R | <W | <W | 0.18 | 0.14 | <W | <W | <W | <W | 0.010 | <W | 0.05 | | 10 mg/L as N |
| 39 (LAB) | mg/L | T | UR | <W | <W | <W | <W | <W | <W | <W | 0.010<T | <W | mg/L | | |
| 40 NITRITE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 0.005 | 0.15 mg/L * | |
| 40 (LAB) | mg/L | T | UR | <W | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | | |
| 41 NITRATE | | R | 0.25<T | 0.25<T | 0.325 | 0.320 | 0.410 | 0.390 | 0.365 | 0.385 | 0.345 | 0.480 | 0.05 | | 0.05 mg/L |
| 41 (LAB) | mg/L | T | UR | 0.25<T | 0.335 | 0.330 | 0.505 | 0.410 | 0.375 | 0.365 | 0.345 | 0.470 | mg/L | | |
| 42 NITROGEN TOTAL KJELDAHL | | R | 0.20<T | 0.20<T | 0.19 | 0.15 | 0.20 | 0.16 | 0.17 | 0.15 | 0.15 | 0.19 | 0.1 | Absent | |
| 42 (LAB) | mg/L | T | UR | <W | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | | |
| 43 PRESENCE/ABSENCE | | R | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0 | | 0.05 mg/L |
| 43 (BAC) | | T | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | mg/L | | |
| 44 LEAD | mg/L | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 0.003 | 0.05 mg/L | |
| 44 (MET) | | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | | |

PAGE 5a

[illegible]

PAGE 6a

[illegible]

PAGE 7a

[illegible]

PAGE 8a

[illegible]

**WALLACEBURG WATER TREATMENT PLANT
1985-1986 DWSP DATA**

PAGE 9a

| PARAMETERS | | D A T E | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------------------------|---|---------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------------------|--|
| | | DEC 16 | DEC 23 | JAN 6 | JAN 12 | JAN 19 | JAN 26 | FEB 3 | FEB 12 | FEB 17 | FEB 23 | | |
| 89 STRONTIUM | R | 0.085 | 0.092 | 0.095 | 0.098 | 0.093 | 0.093 | 0.087 | 0.092 | 0.096 | 0.098 | 0.001 | |
| 89 (MET) mg/L | T | 0.094 | 0.095 | 0.060 | 0.095 | 0.100 | 0.099 | 0.095 | 0.095 | 0.100 | 0.100 | mg/L | |
| 90 TOTAL COLIFORM MF | R | 2100 | 1100 | 500 | 1900 | 8300 | 800 | 1700 | 112A3C | 1900 | 1400 | 0 | ODWO |
| 90 (BAC) count/100mL | T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bacti |
| 91 TOTAL COLIFORM BACKGROUND MF | R | 3500 | 2800 | 3000 | 4000 | 2900 | 5300 | 6600 | 430 | 4100 | 4800 | 0 | OWDO |
| 91 (BAC) count/100mL | T | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bacti |
| 92 TURBIDITY | R | 2.90 | 3.00 | 3.70 | 3.50 | 7.00 | 7.60 | 5.00 | 1.72 | 1.96 | 2.30 | 0.01 | 1 |
| 92 (LAB) FTU | T | UR | 0.09<T | 0.04 | 0.08<T | 0.11<T | 0.08<T | 0.19<T | 0.09<T | 0.20<T | 0.12<T | FTU | FTU |
| 93 URANIUM | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 0.002 | .02 |
| 93 (MET) mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | mg/L t |
| 94 VANADIUM | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 0.003 | 0.001 | |
| 94 (MET) mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | 0.002 | mg/L | |
| 95 HEXACHLOROBUTADIENE | R | <W | <W | <W | <W | <W | 2<T | 3<T | <W | <W | <W | 1 | 4500 |
| 95 (CHA) ng/L | T | <W | 2<T | 2<T | <W | <W | 4<T | 2<T | <W | <W | <W | ng/L | ng/L e |
| 96 1,1-DICHLOROETHYLENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | .3 |
| 96 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | SM | <W | <W | ug/L | ug/L h |
| 97 T,1,2-DICHLOROETHYLENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | |
| 97 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | SM | <W | <W | ug/L | |
| 98 1,1-DICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | |
| 98 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | SM | <W | <W | ug/L | |

WALLACEBURG WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 10a

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------------------|---|----|---------|--------|-------|--------|--------|--------|-------|--------|--------|--------------------|--|
| | | | DEC 16 | DEC 23 | JAN 6 | JAN 12 | JAN 19 | JAN 26 | FEB 3 | FEB 12 | FEB 17 | FEB 23 | |
| 99 CHLOROFORM | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 350 |
| 99 (VOL) ug/L | T | 12 | 17 | 11 | 9 | 16 | 8 | 10 | SM | 12 | 14 | ug/L | ug/L ++ |
| 100 DICHLOROMETHANE | R | <W | <W | <W | <W | CS | <W | <W | <W | <W | CS | 5 | 40 |
| 100 (VOL) ug/L | T | <W | <W | <W | <W | CS | <W | <W | SM | <W | CS | ug/L | ug/L c |
| 101 1,1,1-TRICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 1000 |
| 101 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | SM | <W | <W | ug/L | ug/L c |
| 102 1,2-DICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 10 |
| 102 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | SM | <W | <W | ug/L | ug/L h |
| 103 CARBON TETRACHLORIDE | R | 1 | 1 | <W | <W | <W | <W | <W | <W | 2 | <W | 1 | 3 |
| 103 (VOL) ug/L | T | 1 | 1 | <W | <W | <W | <W | <W | SM | 3 | <W | ug/L | ug/L h |
| 104 1,2 DICHLOROPROPANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | |
| 104 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | SM | <W | <W | ug/L | |
| 105 TRICHLOROETHYLENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 30 |
| 105 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | SM | <W | <W | ug/L | ug/L h |
| 106 DICHLOROBROMOMETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 350 |
| 106 (VOL) ug/L | T | 6 | 8 | 10 | 8 | 7 | 6 | 6 | SM | 7 | 11 | ug/L | ug/L ++ |
| 107 1,1,2-TRICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 6 |
| 107 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | SM | <W | <W | ug/L | ug/L e |
| 108 CHLORODIBROMOMETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 350 |
| 108 (VOL) ug/L | T | 6 | 8 | 17 | 11 | 13 | 6 | 6 | SM | 12 | 17 | ug/L | ug/L ++ |

PAGE 11a

| PARAMETERS | | | DATE | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|-------------------------------|---|----|--------|--------|-------|--------|--------|--------|-------|--------|--------|--------------------|--|--------|
| | | | DEC 16 | DEC 23 | JAN 6 | JAN 12 | JAN 19 | JAN 26 | FEB 3 | FEB 12 | FEB 17 | | | FEB 23 |
| 109 TETRACHLOROETHYLENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 10 | |
| 109 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | SM | <W | <W | ug/L | ug/L | h |
| 110 BROMOFORM | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 350 | |
| 110 (VOL) ug/L | T | <W | 1 | 1 | <W | <W | <W | <W | SM | <W | <W | ug/L | ug/L | ++ |
| 111 1,1,2,2-TETRACHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 1.7 | |
| 111 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | SM | <W | <W | ug/L | ug/L | e |
| 112 HEXACHLOROBENZENE | R | <W | <W | <W | 2<T | <W | <W | <W | <W | 1<T | | 1 | 10 | |
| 112 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L | h |
| 113 HEXACHLOROETHANE | R | <W | <W | <W | <W | <W | <W | 4<T | <W | <W | | 1 | 19000 | |
| 113 (CHA) ng/L | T | <W | 3<T | 3<T | <W | <W | <W | 3<T | <W | <W | <W | ng/L | ng/L | e |
| 114 OCTACHLOROSTYRENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | | 1 | | |
| 114 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | | |
| 115 PENTACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | | 1 | 74000 | |
| 115 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L | e |
| 116 TOTAL TRIHALOMETHANES | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 3 | 350 | |
| 116 (VOL) ug/L | T | 24 | 34 | 39 | 28 | 36 | 20 | 22 | SM | 31 | 42 | ug/L | ug/L | ++ |
| 117 2,3,6-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | | 5 | | |
| 117 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | | |
| 118 2,4,5-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | | 5 | 10000 | |
| 118 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L | g |
| 119 2,6,A-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | | 5 | | |
| 119 (CHA) mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | | |

WALLACEBURG WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 12a

| PARAMETERS | | | DATE | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/GUIDELINE ¹ | |
|------------|----------------------------|---|--------|--------|-------|--------|--------|--------|-------|--------|--------|-----------------|---|--------|
| | | | DEC 16 | DEC 23 | JAN 6 | JAN 12 | JAN 19 | JAN 26 | FEB 3 | FEB 12 | FEB 17 | | | FEB 23 |
| 120 | CHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 100-300 | |
| 120 | (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | SM | <W | <W | ng/L | ng/L | h* |
| 121 | 1,4-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 400 | |
| 121 | (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | SM | <W | <W | ug/L | ug/L | e |
| 122 | 1,3-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 400 | |
| 122 | (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | SM | <W | <W | ug/L | ug/L | e |
| 123 | 1,2-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 400 | |
| 123 | (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | SM | <W | <W | ug/L | ug/L | e |
| 124 | TRIFLUOROCHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | | |
| 124 | (CHA) ug/L | T | <W | <W | <W | <W | <W | <W | SM | <W | <W | ug/L | | |
| 125 | 1,2,3-TRICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | | 5 | 10000 | |
| 125 | (CHA) ng/L | T | <W | <W | <W | <W | 16<T | <W | <W | <W | <W | ng/L | ng/L | y |
| 126 | 1,2,3,4-TETRACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | | 1 | | |
| 126 | (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | | |
| 127 | 1,2,3,5-TETRACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | | 1 | | |
| 127 | (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | | |
| 128 | 1,2,4-TRICHLOROBENZENE | R | <W | <W | <W | <W | 19<T | <W | <W | <W | | 5 | 15000 | |
| 128 | (CHA) ng/L | T | <W | <W | <W | 8<T | <W | <W | <W | <W | <W | ng/L | ng/L | y |
| 129 | 1,2,4,5-TETRACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | | 1 | 38000 | |
| 129 | (CHA) ng/L | T | <W | <W | <W | 4<T | <W | <W | <W | <W | <W | ng/L | ng/L | e |
| 130 | 1,3,5-TRICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | | 5 | 10000 | |
| 130 | (CHA) ng/L | T | <W | <W | <W | 5<T | <W | <W | <W | <W | <W | ng/L | ng/L | y |

WALLACEBURG WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 13a

| PARAMETERS | | D A T E | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-------------------------------|---|---------|--------|-------|--------|--------|--------|-------|--------|--------|--------|--------------------|--|
| | | DEC 16 | DEC 23 | JAN 6 | JAN 12 | JAN 19 | JAN 26 | FEB 3 | FEB 12 | FEB 17 | FEB 23 | | |
| 131 PENTACHLOROPHENOL | R | + | + | + | + | + | + | + | + | + | + | 50 | 10000 ng/L h |
| 131 (CHP) ng/L | T | + | + | + | + | + | + | + | + | + | + | ng/L | |
| 132 2,3,4-TRICHLOROPHENOL | R | + | + | + | + | + | + | + | + | + | + | 100 | 10000 ng/L h |
| 132 (CHP) ng/L | T | + | + | + | + | + | + | + | + | + | + | ng/L | |
| 133 2,3,4,5-TETRACHLOROPHENOL | R | + | + | + | + | + | + | + | + | + | + | 50 | 10000 ng/L h |
| 133 (CHP) ng/L | T | + | + | + | + | + | + | + | + | + | + | ng/L | |
| 134 2,3,5,6-TETRACHLOROPHENOL | R | + | + | + | + | + | + | + | + | + | + | 50 | 10000 ng/L h |
| 134 (CHP) ng/L | T | + | + | + | + | + | + | + | + | + | + | ng/L | |
| 135 2,4,5-TRICHLOROPHENOL | R | + | + | + | + | + | + | + | + | + | + | 50 | 10000 ng/L h |
| 135 (CHP) ng/L | T | + | + | + | + | + | + | + | + | + | + | ng/L | |
| 136 2,4,6-TRICHLOROPHENOL | R | + | + | + | + | + | + | + | + | + | + | 50 | 10000 ng/L h |
| 136 (CHP) ng/L | T | + | + | + | + | + | + | + | + | + | + | ng/L | |
| 137 ZINC | R | 0.005 | 0.004 | 0.003 | 0.002 | 0.003 | 0.004 | 0.003 | 0.004 | 0.003 | 0.004 | 0.001 | 5 mg/L h |
| 137 (MET) mg/L | T | 0.002 | 0.004 | 0.003 | 0.004 | 0.003 | 0.006 | 0.007 | 0.003 | 0.006 | 0.005 | mg/L | |
| 138 PENTACHLOROPROPANE | R | <W | <W | <W | <W | <W | <W | | | | | 0.1 | 0.1 ug/L |
| 138 (MS) ug/L | T | <W | <W | <W | <W | <W | <W | | | | | ug/L | |
| 139 PENTACHLOROPROPENE | R | <W | <W | <W | <W | <W | <W | | | | | 0.1 | 0.1 ug/L |
| 139 (MS) ug/L | T | <W | <W | <W | <W | <W | <W | | | | | ug/L | |
| 140 HEXACHLOROPROPENE | R | <W | <W | <W | <W | <W | <W | | | | | 0.1 | 0.1 ug/L |
| 140 (MS) ug/L | T | <W | <W | <W | <W | <W | <W | | | | | ug/L | |
| 141 TETRACHLOROBUTANE | R | <W | <W | <W | <W | <W | <W | | | | | 0.1 | 0.1 ug/L |
| 141 (MS) ug/L | T | <W | <W | <W | <W | <W | <W | | | | | ug/L | |

WALLACEBURG WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 14a

| PARAMETERS | | | D A T E | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|--------------------------|---|-----|---------|--------|-------|--------|--------|--------|-------|--------|--------------------|--|--------|
| | | | DEC 16 | DEC 23 | JAN 6 | JAN 12 | JAN 19 | JAN 26 | FEB 3 | FEB 12 | | | FEB 17 |
| 142 PENTACHLOROBUTADIENE | R | <W | <W | <W | <W | <W | <W | | | | | 0.1 | |
| 142 (MS) ug/L | T | <W | <W | <W | <W | <W | <W | | | | | ug/L | |
| 143 N-DICHLOROMETHYLENE- | R | <W | <W | <W | <W | <W | <W | | | | | 0.1 | |
| 143 PENTACHLOROANILINE | T | <W | <W | <W | <W | <W | <W | | | | | ug/L | |
| 143 (MS) ug/L | | | | | | | | | | | | | |
| 144 FLUORANTHENE | R | <W | <W | <W | <W | <W | <W | | | | | 0.1 | |
| 144 (MS) ug/L | T | <W | <W | <W | <W | <W | <W | | | | | ug/L | |
| 145 NAPHTHALENE | R | <W | <W | <W | <W | <W | <W | | | | | 0.1 | |
| 145 (MS) ug/L | T | <W | <W | <W | <W | <W | <W | | | | | ug/L | |
| 146 METHYL PHENANTHRENE | R | <W | <W | <W | <W | <W | <W | | | | | 0.1 | |
| 146 (MS) ug/L | T | <W | <W | <W | <W | <W | <W | | | | | ug/L | |
| 147 PYRENE | R | <W | <W | <W | <W | <W | <W | | | | | 0.1 | |
| 147 (MS) ug/L | T | <W | <W | <W | <W | <W | <W | | | | | ug/L | |
| 148 DIPHENYL ETHER | R | <W | <W | <W | <W | <W | <W | | | | | 0.1 | |
| 148 (MS) ug/L | T | <W | <W | <W | <W | <W | <W | | | | | ug/L | |
| 149 DI-N-BUTYL PHTHALATE | R | 1.0 | 0.3 | 0.5 | 0.3 | 0.2 | 0.6 | | | | | 0.1 | 34000 |
| 149 (MS) ug/L | T | 2.1 | <W | 1.1 | 0.3 | 0.2 | 2.1 | | | | | ug/L | ug/L e |
| 150 CL BIPHENYL | R | <W | <W | <W | <W | <W | <W | | | | | 0.1 | |
| 150 (MS) ug/L | T | <W | <W | <W | <W | <W | <W | | | | | ug/L | |
| 151 ATRAZINE | R | NS | <W | <W | <W | <W | <W | | | | | 0.1 | 46 |
| 151 (MS) ug/L | T | NS | <W | <W | <W | <W | <W | | | | | ug/L | ug/L ! |

WALLACEBURG WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 15a

| PARAMETERS | | D A T E | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-----------------------------|---|---------|--------|-------|--------|--------|--------|-------|--------|--------|--------|--------------------|--|
| | | DEC 16 | DEC 23 | JAN 6 | JAN 12 | JAN 19 | JAN 26 | FEB 3 | FEB 12 | FEB 17 | FEB 23 | | |
| 152 BIPHENYL | R | <W | <W | <W | <W | <W | <W | | | | | 0.1 | |
| 152 (MS) ug/L | T | <W | <W | <W | <W | <W | <W | | | | | ug/L | |
| 153 ALIPHATIC HYDROCARBONS* | R | <W | <W | <W | <W | <W | <W | | | | | 0.1 | |
| 153 (MS) ug/L | T | 3.0(6) | <W | <W | <W | <W | <W | | | | | ug/L | |
| 154 TRIMETHYL NAPHTHALENE** | R | <W | <W | <W | <W | <W | <W | | | | | 0.1 | |
| 154 (MS) ug/L | T | <W | <W | <W | <W | <W | <W | | | | | ug/L | |
| 155 DIMETHYL FLUORENE | R | <W | <W | <W | <W | <W | <W | | | | | 0.1 | |
| 155 (MS) ug/L | T | <W | <W | <W | <W | <W | <W | | | | | ug/L | |
| 156 BUTOXY ETHOXYETHANE | R | <W | <W | <W | <W | <W | <W | | | | | 0.1 | |
| 156 (MS) ug/L | T | <W | <W | <W | <W | <W | <W | | | | | ug/L | |
| 157 STYRENE | R | <W | <W | <W | <W | <W | <W | | | | | 0.1 | |
| 157 (MS) ug/L | T | <W | <W | <W | <W | <W | <W | | | | | ug/L | |

* - Hydrocarbon "envelope" - total concentration is number given - number in brackets is an estimation of the number of compounds in the envelope

** - Number in brackets is number of isomers present

LAB - Chemistry (LAB)

MET - Metal

CHA - Chloroaromatics

FLD - Chemistry (FIELD)

VOL - Volatiles

CHP - Chlorophenols

BAC - Bacteriological

PST - PCB/OC Scan. Pesticides

SPC - Specific Pesticides

MS - Mass Spec. Ana.

TABLE A

WALLACEBURG WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 1b

| PARAMETERS | | | DATE | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|----------------|------|---|--------|--------|--------|-------|--------|--------|--------|--|--------------------|--|
| | | | MAR 10 | MAR 19 | MAR 31 | APR 8 | APR 15 | APR 22 | APR 28 | | | |
| 1 ALKALINITY | | R | 83.7 | 99.5 | 86.2 | 83.4 | | | | | 0.2 | |
| 1 (LAB) | mg/L | T | 75.7 | 64.4 | 72.8 | 72.7 | | | | | mg/L | |
| 2 ALUMINUM | | R | 0.190 | 6.300 | 0.036 | 0.069 | 0.220 | 0.190 | 0.033 | | 0.003 | |
| 2 (MET) | mg/L | T | 0.041 | 0.190 | 0.044 | 0.039 | 0.020 | 0.034 | 0.022 | | mg/L | |
| 3 ARSENIC | | R | <W | <W | <W | <W | <W | <W | <W | | 0.001 | 0.05 |
| 3 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | | mg/L | mg/L |
| 4 BARIUM | | R | 0.013 | 0.041 | 0.012 | 0.012 | 0.015 | 0.014 | 0.013 | | 0.001 | 1 |
| 4 (MET) | mg/L | T | 0.014 | 0.021 | 0.014 | 0.013 | 0.016 | 0.017 | 0.015 | | mg/L | mg/L |
| 5 BORON | | R | 0.04 | 0.08 | <W | <W | <W | 0.12 | <W | | 0.02 | 5 |
| 5 (MET) | mg/L | T | 0.03 | <W | <W | <W | <W | <W | <W | | mg/L | mg/L |
| 6 BERYLLIUM | | R | <W | <W | <W | <W | <W | <W | <W | | 0.001 | |
| 6 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | | mg/L | |
| 7 BENZENE | | R | 2 | <W | <W | <W | <W | <W | <W | | 1 | 10 |
| 7 (VOL) | ug/L | T | 1 | <W | <W | <W | <W | <W | <W | | ug/L | ug/L h |
| 8 TOLUENE | | R | <W | <W | <W | <W | <W | <W | <W | | 1 | 100 |
| 8 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | <W | | ug/L | ug/L c |
| 9 ETHYLBENZENE | | R | <W | <W | <W | <W | <W | <W | <W | | 1 | 1400 |
| 9 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | <W | | ug/L | ug/L e |
| 10 P-XYLENE | | R | <W | <W | <W | <W | <W | <W | <W | | 1 | 620 |
| 10 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | <W | | ug/L | ug/L c |
| 11 M-XYLENE | | R | <W | <W | <W | <W | <W | <W | <W | | 1 | 620 |
| 11 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | <W | | ug/L | ug/L c |

PAGE 2b

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ GUIDELINE | |
|-------------------|-------------|---|---------|--------|--------|--------|--------|--------|--------|--|--|--------------------|------------------------------------|-------|
| | | | MAR 10 | MAR 19 | MAR 31 | APR 8 | APR 15 | APR 22 | APR 28 | | | | | |
| 12 O-XYLENE | | R | <W | <W | <W | <W | <W | <W | <W | | | | 1 ug/L | 620 |
| 12 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | <W | | | | | ug/L |
| 13 CALCIUM | | R | 28.5 | 41.5 | 28.3 | 27.3 | | | | | | | 0.1 mg/L | |
| 13 (LAB) | mg/L | T | 29.0 | 52.0 | 28.1 | 27.7 | | | | | | | | |
| 14 CYANIDE | | R | <W | <W | <W | <W | <W | <W | <W | | | | 0.001 | 0.2 |
| 14 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | | | | mg/L | mg/L |
| 15 CADMIUM | | R | <W | <W | <W | <W | <W | <W | <W | | | | 0.0003 | 0.005 |
| 15 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | | | | mg/L | mg/L |
| 16 CHLORIDE | | R | 11.30 | 14.30 | 8.93 | 9.45 | | | | | | | 0.2 | 250 |
| 16 (LAB) | mg/L | T | 12.20 | 19.30 | 11.31 | 12.00 | | | | | | | mg/L | mg/L |
| 17 COLOUR | TCU | R | 2.0 | EF | 3.0 | 3.0 | | | | | | | 0.5 | 5 |
| 17 (LAB) | | T | <W | EF | 0.5<T | <W | | | | | | | TCU | TCU |
| 18 CONDUCTIVITY | | R | 236.00 | 312.00 | 226.00 | 229.00 | | | | | | | 0.01 | |
| 18 (LAB) | umho/cm | T | 242.00 | 386.00 | 237.00 | 239.00 | | | | | | | UMHO/CM | |
| 19 COBALT | | R | <W | <W | <W | <W | <W | <W | <W | | | | 0.001 | |
| 19 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | | | | mg/L | |
| 20 CHROMIUM | | R | 0.002 | 0.014 | 0.002 | 0.002 | <W | <W | <W | | | | 0.001 | 0.05 |
| 20 (MET) | mg/L | T | 0.002 | 0.002 | 0.002 | 0.001 | <W | <W | <W | | | | mg/L | mg/L |
| 21 COPPER | | R | 0.009 | 0.015 | 0.008 | 0.005 | 0.003 | 0.003 | 0.004 | | | | 0.001 | 1 |
| 21 (MET) | mg/L | T | 0.003 | 0.007 | 0.004 | 0.004 | 0.001 | 0.002 | 0.001 | | | | mg/L | mg/L |
| 22 F. COLIFORM MF | | R | 0 | 188 | 5 | 10 | 52 | 63 | 4 | | | | 0 | 0/0.1 |
| 22 (BAC) | count/100mL | T | NA | NA | NA | NA | NA | NA | NA | | | | | mL |

WALLACEBURG WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 3b

| PARAMETERS | | | DATE | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|------------------------------|----------|---|--------|--------|--------|-------|--------|--------|--------|--|--------------------|--|
| | | | MAR 10 | MAR 19 | MAR 31 | APR 8 | APR 15 | APR 22 | APR 28 | | | |
| 23 IRON | | R | 0.210 | 5.900 | 0.035 | 0.067 | 0.280 | 0.210 | 0.065 | | 0.002 | 0.3 |
| 23 (MET) | mg/L | T | 0.006 | 0.047 | <W | <W | 0.002 | <W | 0.002 | | mg/L | mg/L |
| 24 FLUORIDE | | R | 0.08 | 0.20 | 0.09 | 0.07 | | | | | 0.01 | 2.4 |
| 24 (LAB) | mg/L | T | 0.65 | 0.96 | 1.09 | 0.77 | | | | | mg/L | mg/L |
| 25 FIELD CHLORINE (COMBINED) | | R | NA | NA | NA | NA | NA | NA | NA | | | |
| 25 (FLD) | | T | 0.10 | NS | 0.10 | 0.30 | 0.30 | NS | 0.10 | | | |
| 26 FIELD CHLORINE (FREE) | | R | NA | NA | NA | NA | NA | NA | NA | | | |
| 26 (FLD) | | T | 0.90 | 1.00 | 0.90 | 1.00 | 1.00 | 1.00 | 0.80 | | | |
| 27 FIELD CHLORINE (TOTAL) | | R | NA | NA | NA | NA | NA | NA | NA | | | |
| 27 (FLD) | | T | 1.00 | >1.00 | 1.00 | 1.30 | 1.30 | >1.00 | 0.90 | | | |
| 28 FIELD PH | | R | 8.20 | 8.40 | 8.40 | 8.40 | 8.20 | 8.40 | 8.20 | | | |
| 28 (FLD) | | T | 7.40 | 6.80 | 7.00 | 7.00 | 7.00 | 7.20 | 7.30 | | | |
| 29 FIELD TEMPERATURE | | R | 1.0 | 1.5 | 4.0 | 7.0 | 7.0 | 7.0 | 8.0 | | | |
| 29 (FLD) | | T | 1.0 | 0.5 | 5.0 | 7.0 | 7.0 | 6.0 | 8.0 | | | |
| 30 FIELD TURBIDITY | | R | 1.25 | 150.00 | 3.50 | 4.00 | 30.00 | 4.50 | 3.00 | | | 1 FTU |
| 30 (FLD) | | T | 0.07 | 0.95 | 0.20 | 0.25 | 0.25 | 0.20 | 0.18 | | | |
| 31 HARDNESS | | R | 104.0 | 140.3 | 101.0 | 99.5 | | | | | 0.5 | |
| 31 (LAB) | mg/L | T | 105.0 | 168.9 | 101.0 | 100.0 | | | | | mg/L | |
| 32 STANDARD PLATE COUNT MF | | R | 24 | AW | 600 | 250 | 210 | >2400 | 720 | | 0 | 500 orga- |
| 32 (BAC) | count/mL | T | 3 | AW | 10 | 3 | 3 | 0 | 1 | | | nisms per |
| 33 MERCURY | | R | 0.01 | IS | <W | 0.01 | 0.02 | <W | <W | | 0.01 | 1 |
| 33 (MET) | ug/L | T | 0.01 | 0.08 | <W | 0.01 | 0.01 | <W | <W | | ug/L | ug/L |

WALLACEBURG WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 4b

| PARAMETERS | | | D A T E | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|----------------------------|------|---|---------|--------|--------|--------|--------|--------|--------|--|--------------------|--|
| | | | MAR 10 | MAR 19 | MAR 31 | APR 8 | APR 15 | APR 22 | APR 28 | | | |
| 34 MAGNESIUM | | R | 7.90 | 8.90 | 7.40 | 7.55 | | | | | 0.05 | |
| 34 (LAB) | mg/L | T | 7.90 | 9.50 | 7.50 | 7.50 | | | | | mg/L | |
| 35 MANGANESE | | R | 0.014 | 0.057 | 0.003 | 0.004 | 0.007 | 0.007 | 0.003 | | 0.001 | 0.05 |
| 35 (MET) | mg/L | T | <W | 0.014 | <W | <W | <W | 0.001 | <W | | mg/L | mg/L |
| 36 MOLYBDENUM | | R | <W | <W | <W | <W | <W | <W | <W | | 0.001 | . |
| 36 (MET) | mg/L | T | <W | 0.001 | <W | <W | <W | 0.001 | <W | | mg/L | |
| 37 SODIUM | | R | 6.0 | 6.2 | 5.9 | 6.3 | | | | | 0.1 | |
| 37 (LAB) | mg/L | T | 6.5 | 7.0 | 6.5 | 6.9 | | | | | mg/L | |
| 38 NICKEL | | R | <W | 0.008 | <W | <W | <W | <W | 0.002 | | 0.002 | |
| 38 (MET) | mg/L | T | <W | 0.003 | <W | <W | <W | <W | 0.002 | | mg/L | |
| 39 AMMONIUM TOTAL | | R | <W | 0.202 | <W | <W | | | | | 0.05 | |
| 39 (LAB) | mg/L | T | <W | <W | <W | <W | | | | | mg/L | |
| 40 NITRITE | | R | <W | 0.0945 | <W | 0.0110 | | | | | 0.005 | 1 mg/L |
| 40 (LAB) | mg/L | T | <W | <W | <W | 0.0075 | | | | | mg/L | as N |
| 41 NITRATE | | R | 0.435 | 3.100 | 0.325 | 0.350 | | | | | 0.05 | 10 mg/L |
| 41 (LAB) | mg/L | T | 0.425 | 3.700 | 0.320 | 0.355 | | | | | mg/L | as N |
| 42 NITROGEN TOTAL KJELDAHL | | R | 0.140 | 1.200 | 0.130 | 0.160 | | | | | 0.1 | 0.15 |
| 42 (LAB) | mg/L | T | <W | 0.290 | <W | <W | | | | | mg/L | mg/L * |
| 43 PRESENCE/ABSENCE | | R | NA | NA | NA | NA | NA | NA | NA | | 0 | Absent |
| 43 (BAC) | | T | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | | | |
| 44 LEAD | mg/L | R | <W | <W | <W | <W | <W | <W | <W | | 0.003 | 0.05 |
| 44 (MET) | | T | <W | <W | <W | <W | <W | <W | <W | | mg/L | mg/L |

WALLACEBURG WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 5b

| PARAMETERS | | D A T E | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------------------------|---|---------|--------|--------|-------|--------|--------|--------|--|--|--|--------------------|--|
| | | MAR 10 | MAR 19 | MAR 31 | APR 8 | APR 15 | APR 22 | APR 28 | | | | | |
| 45 PH | R | 7.92 | 7.86 | 8.02 | 8.19 | | | | | | | | |
| 45 (LAB) | T | 7.60 | 6.90 | 7.57 | 7.57 | | | | | | | | |
| 46 PHOSPHORUS FILTERED REACTIVE | R | <W | 0.1070 | <W | <W | | | | | | | 0.01 | |
| 46 (LAB) mg/L | T | <W | <W | <W | <W | | | | | | | mg/L | |
| 47 PHOSPHORUS TOTAL | R | <W | 0.247 | <W | <W | | | | | | | 0.01 | |
| 47 (LAB) mg/L | T | <W | 0.013 | <W | <W | | | | | | | mg/L | |
| 48 ALDRIN | R | <W | <W | <W | <W | <W | <W | | | | | 1 | 700 |
| 48 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | | | | | ng/L | ng/L ** |
| 49 ALPHA BHC | R | 4<T | 2<T | 6<T | 4<T | <W | <W | | | | | 1 | 700 |
| 49 (PST) ng/L | T | 2<T | BL | 2<T | 4<T | <W | <W | | | | | ng/L | ng/L c |
| 50 BETA BHC | R | <W | <W | <W | <W | <W | <W | | | | | 1 | 300 |
| 50 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | | | | | ng/L | ng/L c |
| 51 LINDANE | R | 2<T | 3<T | 1<T | <W | <W | <W | | | | | 1 | 4000 |
| 51 (PST) ng/L | T | <W | BL | <W | <W | <W | <W | | | | | ng/L | ng/L |
| 52 ALPHA CHLORDANE | R | <W | <W | <W | <W | <W | <W | | | | | 2 | 700 |
| 52 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | | | | | ng/L | ng/L *** |
| 53 GAMMA CHLORDANE | R | <W | <W | <W | <W | <W | <W | | | | | 2 | 700 |
| 53 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | | | | | ng/L | ng/L *** |
| 54 DIELDRIN | R | <W | <W | <W | <W | <W | <W | | | | | 2 | 700 |
| 54 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | | | | | ng/L | ng/L ** |
| 55 METHOXYCHLOR | R | <W | <W | <W | <W | <W | <W | | | | | 5 | 100000 |
| 55 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | | | | | ng/L | ng/L |

WALLACEBURG WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 6b

| PARAMETERS | | | D A T E | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-----------------------|------|---|---------|--------|--------|-------|--------|--------|--------|--|--------------------|--|
| | | | MAR 10 | MAR 19 | MAR 31 | APR 8 | APR 15 | APR 22 | APR 28 | | | |
| 56 ENDRIN | | R | <W | <W | <W | <W | <W | <W | | | 4 | 200 |
| 56 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | | | ng/L | ng/L |
| 57 THIODAN SULPHATE | | R | <W | <W | <W | <W | <W | <W | | | 4 | |
| 57 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | | | ng/L | |
| 58 THIODAN I | | R | <W | <W | <W | <W | <W | <W | | | 2 | 74000 |
| 58 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | | | ng/L | ng/L ea |
| 59 THIODAN II | | R | <W | <W | <W | <W | <W | <W | | | 4 | 74000 |
| 59 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | | | ng/L | ng/L ea |
| 60 METHYLPARATHION | | R | + | + | + | + | + | + | + | | 50 | 7000 |
| 60 (SPC) | | T | + | + | + | + | + | + | + | | ng/L | ng/L |
| 61 PARATHION | | R | + | + | + | + | + | + | + | | 50 | 35000 |
| 61 (SPC) | | T | + | + | + | + | + | + | + | | ng/L | ng/L |
| 62 HEPTACHLOR EPOXIDE | | R | <W | <W | <W | <W | <W | <W | | | 1 | 3000 +++ |
| 62 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | | | ng/L | ng/L |
| 63 HEPTACHLOR | | R | <W | <W | <W | <W | <W | <W | | | 1 | 3000 |
| 63 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | | | ng/L | ng/L +++ |
| 64 MIREX | | R | <W | <W | <W | <W | <W | <W | | | 5 | |
| 64 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | | | ng/L | |
| 65 OXYCHLORDANE | | R | <W | <W | <W | <W | <W | <W | | | 2 | |
| 65 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | | | ng/L | |
| 66 O, P, -DDT | | R | <W | <W | <W | <W | <W | <W | | | 5 | 30000 |
| 66 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | | | ng/L | ng/L d |

WALLACEBURG WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 7b

| PARAMETERS | | | DATE | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------|------|---|--------|--------|--------|-------|--------|--------|--------|--|--|--|--------------------|--|
| | | | MAR 10 | MAR 19 | MAR 31 | APR 8 | APR 15 | APR 22 | APR 28 | | | | | |
| 67 PCB | | R | <W | <W | <W | <W | <W | <W | | | | | 20 | 3000 |
| 67 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | | | | | ng/L | ng/L t |
| 68 P, P-DDD | | R | <W | <W | <W | <W | <W | <W | | | | | 5 | d |
| 68 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | | | | | ng/L | |
| 69 P, P-DDE | | R | <W | <W | <W | <W | <W | <W | | | | | 1 | d |
| 69 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | | | | | ng/L | |
| 70 P, P-DDT | | R | <W | <W | <W | <W | <W | <W | | | | | 5 | d |
| 70 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | | | | | ng/L | |
| 71 AMETRINE | | R | + | + | + | + | + | + | + | | | | 50 | |
| 71 (SPC) | ng/L | T | + | + | + | + | + | + | + | | | | ng/L | |
| 72 ATRAZINE | | R | + | + | + | + | + | + | + | | | | 50 | 46000 |
| 72 (SPC) | ng/L | T | + | + | + | + | + | + | + | | | | ng/L | ng/L ! |
| 73 DIAZINON | | R | + | + | + | + | + | + | + | | | | 50 | 14000 |
| 73 (SPC) | ng/L | T | + | + | + | + | + | + | + | | | | ng/L | ng/L |
| 74 BLADEX | | R | + | + | + | + | + | + | + | | | | 100 | 10000 |
| 74 (SPC) | ng/L | T | + | + | + | + | + | + | + | | | | ng/L | ng/L ! |
| 75 PROMETONE | | R | + | + | + | + | + | + | + | | | | 50 | |
| 75 (SPC) | ng/L | T | + | + | + | + | + | + | + | | | | ng/L | |
| 76 PROPAZINE | | R | + | + | + | + | + | + | + | | | | 50 | |
| 76 (SPC) | ng/L | T | + | + | + | + | + | + | + | | | | ng/L | |
| 77 PROMETRYNE | | R | + | + | + | + | + | + | + | | | | 50 | 1000 |
| 77 (SPC) | ng/L | T | + | + | + | + | + | + | + | | | | ng/L | ng/L ! |

WALLACEBURG WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 8b

| PARAMETERS | | | D A T E | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-------------------------|------|---|---------|--------|--------|-------|--------|--------|--------|--|--------------------|--|
| | | | MAR 10 | MAR 19 | MAR 31 | APR 8 | APR 15 | APR 22 | APR 28 | | | |
| 78 SENCOR | | R | + | + | + | + | + | + | + | | 100 | |
| 78 (SPC) | ng/L | T | + | + | + | + | + | + | + | | ng/L | |
| 79 SIMAZINE | | R | + | + | + | + | + | + | + | | 50 | 10000 |
| 79 (SPC) | ng/L | T | + | + | + | + | + | + | + | | ng/L | ng/L ! |
| 80 DICAMBA | | R | + | + | + | + | + | + | + | | 100 | 87000 |
| 80 (SPC) | ng/L | T | + | + | + | + | + | + | + | | ng/L | ng/L ! |
| 81 PICLORAM | | R | + | + | + | + | + | + | + | | 100 | |
| 81 (SPC) | ng/L | T | + | + | + | + | + | + | + | | ng/L | |
| 82 SILVEX | | R | + | + | + | + | + | + | + | | 50 | 10000 |
| 82 (SPC) | ng/L | T | + | + | + | + | + | + | + | | ng/L | ng/L |
| 83 2,4-D | | R | + | + | + | + | + | + | + | | 100 | 100000 |
| 83 (SPC) | ng/L | T | + | + | + | + | + | + | + | | ng/L | ng/L |
| 84 2,4-D BUTYRIC ACID | | R | + | + | + | + | + | + | + | | 200 | 18000 |
| 84 (SPC) | ng/L | T | + | + | + | + | + | + | + | | ng/L | ng/L ! |
| 85 2,4-D PROPIONIC ACID | | R | + | + | + | + | + | + | + | | 100 | |
| 85 (SPC) | ng/L | T | + | + | + | + | + | + | + | | ng/L | |
| 86 2,4,5-T | | R | + | + | + | + | + | + | + | | 50 | |
| 86 (SPC) | ng/L | T | + | + | + | + | + | + | + | | ng/L | |
| 87 TOTAL SOLIDS | | R | 153 | 342 | 147 | 138 | | | | | 1 | |
| 87 (LAB) | mg/L | T | 157 | 251 | 154 | 138 | | | | | mg/L | |
| 88 SELENIUM | | R | <W | <W | <W | <W | <W | <W | <W | | 0.001 | 0.01 |
| 88 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | | mg/L | mg/L |

PAGE 9b

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------------------------|---|--------|---------|--------|--------|-------|--------|--------|--------|--|--|--------------------|--|
| | | | MAR 10 | MAR 19 | MAR 31 | APR 8 | APR 15 | APR 22 | APR 28 | | | | |
| 89 STRONTIUM | R | 0.100 | 0.100 | 0.094 | 0.094 | 0.100 | 0.100 | 0.095 | | | | 0.001 | |
| 89 (MET) mg/L | T | 0.110 | 0.130 | 0.100 | 0.095 | 0.100 | 0.120 | 0.097 | | | | mg/L | |
| 90 TOTAL COLIFORM MF | R | <W | >30000 | 500 | 2100 | 1000 | 2900 | 198A3C | | | | 0 | ODWO |
| 90 (BAC) count/100mL | T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | Bacti |
| 91 TOTAL COLIFORM BACKGROUND MF | R | 4 | >30000 | 1100 | 17800 | 2000 | 16000 | 1100 | | | | 0 | OWDO |
| 91 (BAC) count/100mL | T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | Bacti |
| 92 TURBIDITY | R | 2.40 | 176.00 | 3.00 | 4.40 | | | | | | | 0.01 | 1 |
| 92 (LAB) FTU | T | 0.12<T | 2.00 | 0.20<T | 0.10<T | | | | | | | FTU | FTU |
| 93 URANIUM | R | <W | <W | <W | <W | <W | <W | <W | | | | 0.002 | .02 |
| 93 (MET) mg/L | T | <W | <W | <W | <W | <W | <W | <W | | | | mg/L | mg/L t |
| 94 VANADIUM | R | 0.002 | 0.012 | 0.001 | <W | <W | <W | <W | | | | 0.001 | |
| 94 (MET) mg/L | T | 0.001 | 0.002 | 0.001 | <W | <W | <W | <W | | | | mg/L | |
| 95 HEXACHLOROBUTADIENE | R | <W | <W | <W | <W | 5<T | <W | | | | | 1 | 4500 |
| 95 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | | | | | ng/L | ng/L e |
| 96 1,1-DICHLOROETHYLENE | R | <W | <W | <W | <W | <W | <W | <W | | | | 1 | .3 |
| 96 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | | | | ug/L | ug/L h |
| 97 T,1,2-DICHLOROETHYLENE | R | <W | <W | <W | <W | <W | <W | <W | | | | 1 | |
| 97 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | | | | ug/L | |
| 98 1,1-DICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | | | | 1 | |
| 98 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | | | | ug/L | |

WALLACEBURG WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 10b

| PARAMETERS | | | D A T E | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------------------|---|----|---------|--------|--------|-------|--------|--------|--------|--|--------------------|--|
| | | | MAR 10 | MAR 19 | MAR 31 | APR 8 | APR 15 | APR 22 | APR 28 | | | |
| 99 CHLOROFORM | R | 29 | <W | <W | <W | <W | <W | <W | <W | | 1 | 350 |
| 99 (VOL) ug/L | T | 17 | 42 | 21 | 13 | 9 | 20 | 15 | | | ug/L | ug/L ++ |
| 100 DICHLOROMETHANE | R | <W | CS | <W | CS | CS | <W | CS | | | 5 | 40 |
| 100 (VOL) ug/L | T | <W | CS | <W | <W | CS | <W | <W | | | ug/L | ug/L c |
| 101 1,1,1-TRICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | | | 1 | 1000 |
| 101 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | | | ug/L | ug/L c |
| 102 1,2-DICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | | | 1 | 10 |
| 102 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | | | ug/L | ug/L h |
| 103 CARBON TETRACHLORIDE | R | <W | <W | 1 | 1 | 1 | <W | <W | | | 1 | 3 |
| 103 (VOL) ug/L | T | <W | <W | <W | <W | 1 | <W | <W | | | ug/L | ug/L h |
| 104 1,2 DICHLOROPROPANE | R | <W | <W | <W | <W | <W | <W | <W | | | 1 | |
| 104 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | | | ug/L | |
| 105 TRICHLOROETHYLENE | R | <W | <W | <W | <W | <W | <W | <W | | | 1 | 30 |
| 105 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | | | ug/L | ug/L h |
| 106 DICHLOROBROMOMETHANE | R | 14 | <W | <W | <W | <W | <W | <W | | | 1 | 350 |
| 106 (VOL) ug/L | T | 11 | 8 | 8 | 8 | 9 | 13 | 8 | | | ug/L | ug/L ++ |
| 107 1,1,2-TRICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | | | 1 | 6 |
| 107 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | | | ug/L | ug/L e |
| 108 CHLORODIBROMOMETHANE | R | 17 | <W | <W | <W | <W | <W | <W | | | 1 | 350 |
| 108 (VOL) ug/L | T | 17 | 2 | 8 | 15 | 9 | 18 | 3 | | | ug/L | ug/L ++ |

WALLACEBURG WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 11b

| PARAMETERS | | DATE | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-------------------------------|---|--------|--------|--------|-------|--------|--------|--------|--|--|--|--------------------|--|
| | | MAR 10 | MAR 19 | MAR 31 | APR 8 | APR 15 | APR 22 | APR 28 | | | | | |
| 109 TETRACHLOROETHYLENE | R | <W | <W | 1 | <W | <W | <W | <W | | | | 1 | 10 |
| 109 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | | | | ug/L | ug/L h |
| 110 BROMOFORM | R | <W | <W | <W | <W | <W | <W | <W | | | | 1 | 350 |
| 110 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | | | | ug/L | ug/L ++ |
| 111 1,1,2,2-TETRACHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | | | | 1 | 1.7 |
| 111 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | | | | ug/L | ug/L e |
| 112 HEXACHLOROBENZENE | R | 5<T | <W | <W | <W | <W | <W | | | | | 1 | 10 |
| 112 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | | | | | ng/L | ng/L h |
| 113 HEXACHLOROETHANE | R | <W | <W | <W | <W | <W | <W | | | | | 1 | 19000 |
| 113 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | | | | | ng/L | ng/L e |
| 114 OCTACHLOROSTYRENE | R | <W | <W | <W | <W | <W | <W | | | | | 1 | |
| 114 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | | | | | ng/L | |
| 115 PENTACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | | | | | 1 | 74000 |
| 115 (CHA) ng/L | T | 5<T | <W | <W | <W | <W | <W | | | | | ng/L | ng/L e |
| 116 TOTAL TRIHALOMETHANES | R | 60 | <W | <W | <W | <W | <W | <W | | | | 3 | 350 |
| 116 (VOL) ug/L | T | 45 | 52 | 37 | 36 | 25 | 51 | 26 | | | | ug/L | ug/L ++ |
| 117 2,3,6-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | | | | | 5 | |
| 117 (CHA) ng/L | T | <W | BL | <W | <W | <W | <W | | | | | ng/L | |
| 118 2,4,5-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | | | | | 5 | 10000 |
| 118 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | | | | | ng/L | ng/L g |
| 119 2,6,A-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | | | | | 5 | |
| 119 (CHA) mg/L | T | <W | BL | <W | <W | <W | 10<T | | | | | ng/L | |

WALLACEBURG WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 12b

| PARAMETERS | | | D A T E | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|--------------------------------|---|----|---------|--------|--------|-------|--------|--------|--------|--|--------------------|--|
| | | | MAR 10 | MAR 19 | MAR 31 | APR 8 | APR 15 | APR 22 | APR 28 | | | |
| 120 CHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | | 1 | 100-300 |
| 120 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | | ng/L | ng/L h* |
| 121 1,4-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | | 1 | 400 |
| 121 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | | ug/L | ug/L e |
| 122 1,3-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | | 1 | 400 |
| 122 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | | ug/L | ug/L e |
| 123 1,2-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | | 1 | 400 |
| 123 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | | ug/L | ug/L e |
| 124 TRIFLUOROCHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | <W | | 1 | |
| 124 (CHA) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | | ug/L | |
| 125 1,2,3-TRICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | | 5 | 10000 |
| 125 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | | ng/L | ng/L y |
| 126 1,2,3,4-TETRACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | | 1 | |
| 126 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | | ng/L | |
| 127 1,2,3,5-TETRACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | | 1 | |
| 127 (CHA) ng/L | T | <W | BL | <W | <W | <W | <W | <W | <W | | ng/L | |
| 128 1,2,4-TRICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | | 5 | 15000 |
| 128 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | | ng/L | ng/L y |
| 129 1,2,4,5-TETRACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | | 1 | 38000 |
| 129 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | | ng/L | ng/L e |
| 130 1,3,5-TRICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | | 5 | 10000 |
| 130 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | | ng/L | ng/L y |

PAGE 13b

[illegible]

PAGE 14b

[illegible]

**WALLACEBURG WATER TREATMENT PLANT
1986 DWSP DATA**

PAGE 15b

| PARAMETERS | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-----------------------------|---|---------|--------|--------|-------|--------|--------|--------|--|--|--------------------|--|
| | | MAR 10 | MAR 19 | MAR 31 | APR 8 | APR 15 | APR 22 | APR 28 | | | | |
| 152 BIPHENYL | R | | | | | | | | | | 0.1 | |
| 152 (MS) ug/L | T | | | | | | | | | | ug/L | |
| 153 ALIPHATIC HYDROCARBONS* | R | | | | | | | | | | 0.1 | |
| 153 (MS) ug/L | T | | | | | | | | | | ug/L | |
| 154 TRIMETHYL NAPHTHALENE** | R | | | | | | | | | | 0.1 | |
| 154 (MS) ug/L | T | | | | | | | | | | ug/L | |
| 155 DIMETHYL FLUORENE | R | | | | | | | | | | 0.1 | |
| 155 (MS) ug/L | T | | | | | | | | | | ug/L | |
| 156 BUTOXY ETHOXYETHAND | R | | | | | | | | | | 0.1 | |
| 156 (MS) ug/L | T | | | | | | | | | | ug/L | |
| 157 STYRENE | R | | | | | | | | | | 0.1 | |
| 157 (MS) ug/L | T | | | | | | | | | | ug/L | |

* - Hydrocarbon "envelope" - total concentration is number given - number in brackets is an estimation of the number of compounds in the envelope

** - Number in brackets is number of isomers present

LAB - Chemistry (LAB)

FLD - Chemistry (FIELD)

BAC - Bacteriological

MS - Mass Spec. Ana.

MET - Metal

VOL - Volatiles

PST - PCB/OC Scan. Pesticides

CHA - Chloroaromatics

CHP - Chlorophenols

SPC - Specific Pesticides

TABLE A

**WALPOLE ISLAND WATER TREATMENT PLANT
1985-1986 DWSP DATA**

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|----------------|------|---|---------|--------|--------|-------|-------|--------|--------|-------|--------|--------------------|--|--------|
| | | | NOV 6 | NOV 15 | NOV 25 | DEC 2 | DEC 9 | DEC 17 | DEC 23 | JAN 6 | JAN 13 | | | JAN 20 |
| 1 ALKALINITY | | R | 83.8 | 81.2 | 79.8 | 81.2 | 80.2 | 79.6 | 80.6 | 82.0 | 80.6 | 82.0 | 0.2 | |
| 1 (LAB) | mg/L | T | 75.6 | 72.0 | 70.4 | 70.6 | 71.2 | 71.4 | 71.0 | 70.2 | 73.8 | 73.4 | mg/L | |
| 2 ALUMINUM | | R | 0.250 | NR | 0.021 | 0.300 | 0.042 | 0.073 | 0.026 | 0.054 | 0.047 | 0.130 | 0.003 | |
| 2 (MET) | mg/L | T | 0.089 | NR | 0.021 | 0.039 | 0.036 | 0.043 | 0.032 | 0.040 | 0.038 | 0.039 | mg/L | |
| 3 ARSENIC | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 0.001 | 0.001 | 0.05 |
| 3 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | mg/L |
| 4 BARIUM | | R | 0.018 | NR | 0.011 | 0.013 | 0.012 | 0.011 | 0.013 | 0.011 | 0.012 | 0.012 | 0.001 | 1 |
| 4 (MET) | mg/L | T | 0.016 | NR | 0.012 | 0.012 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | 0.011 | mg/L | mg/L |
| 5 BORON | | R | <W | NR | 0.14 | 0.04 | 0.03 | 0.12 | 0.10 | 0.04 | 0.02 | <W | 0.02 | 5 |
| 5 (MET) | mg/L | T | <W | NR | 0.03 | 0.08 | 0.02 | 0.11 | 0.05 | 0.04 | 0.05 | 0.05 | mg/L | mg/L |
| 6 BERYLLIUM | | R | <W | NR | <W | <W | <W | <W | <W | <W | <W | <W | 0.001 | |
| 6 (MET) | mg/L | T | <W | NR | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | |
| 7 BENZENE | | R | <W | 1 | <W | <W | 1 | 5 | <W | 5 | 1 | 2 | 1 | 10 |
| 7 (VOL) | ug/L | T | 2 | 1 | <W | | 2 | 3 | 4 | 3 | 2 | 2 | ug/L | ug/L h |
| 8 TOLUENE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 100 |
| 8 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L c |
| 9 ETHYLBENZENE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 1400 |
| 9 (VOL) | ug/L | T | <W | <W | <W | | <W | <W | <W | <W | <W | <W | ug/L | ug/L e |
| 10 P-XYLENE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 620 |
| 10 (VOL) | ug/L | T | <W | <W | <W | | <W | <W | <W | <W | <W | <W | ug/L | ug/L c |
| 11 M-XYLENE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 620 |
| 11 (VOL) | ug/L | T | <W | <W | <W | | <W | <W | <W | <W | <W | <W | ug/L | ug/L c |

WALPOLE ISLAND WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 2

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|----------------------|---------|---|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------------------|--|---------------|
| | | | NOV 6 | NOV 15 | NOV 25 | DEC 2 | DEC 9 | DEC 17 | DEC 23 | JAN 6 | JAN 13 | | | JAN 20 |
| 12 O-XYLENE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 ug/L | 620 ug/L |
| 12 (VOL) | ug/L | T | <W | <W | <W | | <W | <W | <W | <W | <W | <W | | |
| 13 CALCIUM | | R | 28.5 | 27.0 | 27.5 | 26.5 | 26.5 | 27.0 | 27.0 | 27.3 | 28.0 | 27.8 | 0.1 mg/L | |
| 13 (LAB) | mg/L | T | 28.2 | 28.2 | 28.2 | 27.0 | 27.0 | 28.0 | 27.5 | 28.2 | 28.2 | 28.5 | | |
| 14 CYANIDE | | R | <W | NR | <W | <W | <W | <W | <W | <W | <W | <W | 0.001 mg/L | 0.2 mg/L |
| 14 (MET) | mg/L | T | <W | NR | <W | <W | <W | <W | <W | <W | <W | <W | | |
| 15 CADMIUM | | R | <W | NR | <W | <W | <W | <W | <W | <W | <W | <W | 0.0003 mg/L | 0.005 mg/L |
| 15 (MET) | mg/L | T | <W | NR | <W | <W | <W | <W | <W | <W | <W | <W | | |
| 16 CHLORIDE | | R | 8.4 | 8.8 | 8.6 | 9.6 | 7.6 | 7.0 | 8.0 | 9.6 | 9.0 | 9.0 | 0.2 mg/L | 250 mg/L |
| 16 (LAB) | mg/L | T | 10.0 | 10.2 | 9.0 | 10.2 | 10.2 | 8.4 | 8.8 | 9.8 | 9.8 | 10.6 | | |
| 17 COLOUR | TCU | R | 18.0 | 5.5 | 2.0 | 5.0 | 3.5 | 2.5 | 2.5 | 3.0 | 2.5 | 13.0 | 0.5 TCU | 5 TCU |
| 17 (LAB) | | T | 0.5<T | <W | <W | <W | <W | <W | <W | <W | <W | 1.0<T | | |
| 18 CONDUCTIVITY | | R | 230.00 | 225.00 | 223.00 | 230.00 | 223.00 | 228.00 | 223.00 | 227.00 | 223.00 | 227.00 | 0.01 UMHO/CM | |
| 18 (LAB) | umho/cm | T | 236.00 | 239.00 | 235.00 | 238.00 | 235.00 | 240.00 | 231.00 | 235.00 | 234.00 | 239.00 | | |
| 19 COBALT | | R | 0.002 | NR | <W | <W | <W | <W | <W | <W | <W | <W | 0.001 mg/L | |
| 19 (MET) | mg/L | T | 0.001 | NR | <W | <W | <W | <W | <W | <W | <W | <W | | |
| 20 CHROMIUM | | R | 0.001 | NR | 0.001 | 0.002 | 0.001 | 0.002 | <W | 0.001 | 0.002 | 0.002 | 0.001 mg/L | 0.05 mg/L |
| 20 (MET) | mg/L | T | 0.001 | NR | 0.001 | 0.001 | 0.001 | 0.001 | <W | 0.002 | 0.001 | 0.001 | | |
| 21 COPPER | | R | 0.001 | NR | <W | 0.003 | 0.002 | 0.007 | 0.001 | 0.002 | 0.002 | 0.003 | 0.001 mg/L | 1 mg/L |
| 21 (MET) | mg/L | T | 0.003 | NR | 0.003 | 0.005 | 0.005 | 0.010 | 0.004 | 0.004 | 0.004 | 0.005 | | |
| 22 F. COLIFORM MF | | R | 168 | NR | 120 | TN | 178 | 135 | 28 | 109 | >600 | 125 | 0 | 0/0.1 mL |
| 22 (BAC) count/100mL | | T | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |

WALPOLE ISLAND WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 3

| PARAMETERS | | | DATE | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|------------------------------|----------|---|-------|--------|--------|-------|-------|--------|--------|-------|--------|--------------------|--|------------------------------|
| | | | NOV 6 | NOV 15 | NOV 25 | DEC 2 | DEC 9 | DEC 17 | DEC 23 | JAN 6 | JAN 13 | | | JAN 20 |
| 23 IRON | | R | 0.410 | NR | 0.043 | 0.330 | 0.036 | 0.042 | 0.035 | 0.050 | 0.037 | 0.180 | 0.002 mg/L | 0.3 mg/L |
| 23 (MET) | mg/L | T | 0.019 | NR | 0.010 | 0.007 | 0.006 | 0.007 | 0.009 | 0.009 | 0.008 | 0.012 | | |
| 24 FLUORIDE | | R | 0.08 | 0.08 | 0.07 | 0.09 | 0.07 | 0.10 | 0.09 | 0.10 | 0.10 | 0.10 | 0.01 mg/L | 2.4 mg/L |
| 24 (LAB) | mg/L | T | 0.07 | 0.07 | 0.06 | 0.05 | 0.08 | 0.07 | 0.06 | 0.09 | 0.07 | 0.07 | | |
| 25 FIELD CHLORINE (COMBINED) | | R | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 25 (FLD) | | T | 0.50 | NS | 0.20 | NS | NS | NS | NS | 0.20 | 0.10 | 0.10 | | |
| 26 FIELD CHLORINE (FREE) | | R | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 26 (FLD) | | T | 1.50 | NS | 0.70 | NS | >1.00 | NS | NS | 0.60 | 0.70 | 0.70 | | |
| 27 FIELD CHLORINE (TOTAL) | | R | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 27 (FLD) | | T | 2.00 | NS | 0.90 | NS | >1.00 | >1.00 | >1.00 | 0.80 | 0.80 | 0.80 | | |
| 28 FIELD PH | | R | 7.90 | NS | 7.90 | NS | 7.80 | 7.80 | 7.90 | 7.90 | 7.90 | 7.90 | | |
| 28 (FLD) | | T | 7.70 | NS | 7.40 | 7.40 | 7.40 | 7.50 | 7.50 | 7.80 | 7.80 | 7.60 | | |
| 29 FIELD TEMPERATURE | | R | NS | NS | NS | NS | 4.5 | 3.0 | 3.0 | 1.0 | 0.5 | 1.0 | | |
| 29 (FLD) | | T | NS | NS | NS | 5.5 | 5.5 | 3.0 | 6.0 | 1.5 | 1.5 | 2.0 | | |
| 30 FIELD TURBIDITY | | R | 17.10 | NS | 1.80 | NS | NS | 3.40 | 4.40 | 4.10 | 3.20 | 13.30 | | 1 FTU |
| 30 (FLD) | | T | 0.64 | NS | NS | NS | NS | 0.80 | 0.40 | 0.70 | 0.10 | 0.80 | | |
| 31 HARDNESS | | R | 103 | 97.5 | 97.9 | 95.8 | 95.4 | 97.5 | 97.3 | 97.8 | 100.4 | 100.1 | 0.5 mg/L | |
| 31 (LAB) | mg/L | T | 102 | 101 | 99.8 | 97.3 | 97.7 | 99.6 | 98.5 | 100.0 | 101.3 | 102.0 | | |
| 32 STANDARD PLATE COUNT MF | | R | OP | NR | 1300 | 760 | 1000 | 510 | AW | 1400 | 560 | >2400 | 0 | 500 orga- nisms per mL |
| 32 (BAC) | count/mL | T | 31 | NR | 0 | 2 | AW | 0 | AW | 0 | 1 | AW | | |
| 33 MERCURY | | R | <W | NR | <W | 0.01 | <W | 0.01 | 0.02 | 0.01 | <W | <W | 0.01 ug/L | 1 ug/L |
| 33 (MET) | ug/L | T | <W | NR | 0.01 | <W | <W | <W | <W | <W | <W | <W | | |

**WALPOLE ISLAND WATER TREATMENT PLANT
1985-1986 DWSP DATA**

PAGE 4

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WALPOLE ISLAND WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 5

| PARAMETERS | | DATE | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------------------------|---|--------|--------|--------|--------|-------|--------|--------|-------|--------|--------|--------------------|--|
| | | NOV 6 | NOV 15 | NOV 25 | DEC 2 | DEC 9 | DEC 17 | DEC 23 | JAN 6 | JAN 13 | JAN 20 | | |
| 45 PH | R | 8.19 | 8.08 | 8.14 | 8.06 | 8.14 | 8.08 | 8.17 | 8.04 | 8.07 | 7.98 | | |
| 45 (LAB) | T | 7.83 | 7.50 | 7.67 | 7.33 | 7.47 | 7.45 | 7.41 | 7.28 | 7.50 | 7.30 | | |
| 46 PHOSPHORUS FILTERED REACTIVE | R | <W | NR | <W | <W | <W | <W | <W | <W | <W | <W | 0.01 | |
| 46 (LAB) mg/L | T | <W | NR | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | |
| 47 PHOSPHORUS TOTAL | R | 0.02<T | NR | <W | 0.02<T | <W | 0.02<T | 0.02<T | 0.01 | <W | 0.26 | 0.01 | |
| 47 (LAB) mg/L | T | <W | NR | <W | <W | <W | 0.02<T | 0.02<T | <W | <W | <W | mg/L | |
| 48 ALDRIN | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | IL | 1 | 700 |
| 48 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | SM | IL | ng/L | ** |
| 49 ALPHA BHC | R | 2<T | 3<T | 2<T | <W | 4<T | 3<T | 3<T | 3<T | 2<T | IL | 1 | 700 |
| 49 (PST) ng/L | T | 4<T | 3<T | 2<T | 2<T | 4<T | 3<T | 3<T | 4<T | SM | IL | ng/L | c |
| 50 BETA BHC | R | 1<T | <W | <W | <W | <W | <W | <W | <W | <W | IL | 1 | 300 |
| 50 (PST) ng/L | T | <W | <W | 4<T | <W | <W | <W | <W | <W | SM | IL | ng/L | c |
| 51 LINDANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | IL | 1 | 4000 |
| 51 (PST) ng/L | T | 2<T | <W | <W | <W | <W | <W | <W | <W | SM | IL | ng/L | ng/L |
| 52 ALPHA CHLORDANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | IL | 2 | 700 |
| 52 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | SM | IL | ng/L | *** |
| 53 GAMMA CHLORDANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | IL | 2 | 700 |
| 53 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | SM | IL | ng/L | *** |
| 54 DIELDIN | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | IL | 2 | 700 |
| 54 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | SM | IL | ng/L | ** |
| 55 METHOXYCHLOR | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | IL | 5 | 100000 |
| 55 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | SM | IL | ng/L | ng/L |

WALPOLE ISLAND WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 6

| PARAMETERS | | | DATE | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-----------------------|------|---|-------|--------|--------|-------|-------|--------|--------|-------|--------|--------------------|--|
| | | | NOV 6 | NOV 15 | NOV 25 | DEC 2 | DEC 9 | DEC 17 | DEC 23 | JAN 6 | JAN 13 | | |
| 56 ENDRIN | | R | <W | <W | <W | <W | <W | <W | <W | <W | IL | 4 | 200 |
| 56 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | SM | IL | ng/L | ng/L |
| 57 THIODAN SULPHATE | | R | <W | <W | <W | <W | <W | <W | <W | <W | IL | 4 | |
| 57 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | SM | IL | ng/L | |
| 58 THIODAN I | | R | <W | <W | <W | <W | <W | <W | <W | <W | IL | 2 | 74000 |
| 58 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | SM | IL | ng/L | ng/L ea |
| 59 THIODAN II | | R | <W | <W | <W | <W | <W | <W | <W | <W | IL | 4 | 74000 |
| 59 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | SM | IL | ng/L | ng/L ea |
| 60 METHYLPARATHION | | R | + | + | + | + | + | + | + | + | + | 50 | 7000 |
| 60 (SPC) | | T | + | + | + | + | + | + | + | + | + | ng/L | ng/L |
| 61 PARATHION | | R | + | + | + | + | + | + | + | + | + | 50 | 35000 |
| 61 (SPC) | | T | + | + | + | + | + | + | + | + | + | ng/L | ng/L |
| 62 HEPTACHLOR EPOXIDE | | R | <W | <W | <W | <W | <W | <W | <W | <W | IL | 1 | 3000 |
| 62 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | SM | IL | ng/L | ng/L +++ |
| 63 HEPTACHLOR | | R | <W | <W | <W | <W | <W | <W | <W | <W | IL | 1 | 3000 |
| 63 (PST) | ng/L | T | <W | <W | 4<T | <W | 1<T | 2<T | <W | SM | IL | ng/L | ng/L +++ |
| 64 MIREX | | R | <W | <W | <W | <W | <W | <W | <W | <W | IL | 5 | |
| 64 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | SM | IL | ng/L | |
| 65 OXYCHLORDANE | | R | <W | <W | <W | <W | <W | <W | <W | <W | IL | 2 | |
| 65 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | SM | IL | ng/L | |
| 66 O, P, -DDT | | R | <W | <W | <W | <W | <W | <W | <W | <W | IL | 5 | 30000 |
| 66 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | SM | IL | ng/L | ng/L d |

PAGE 7

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|---------------|------|---|---------|--------|--------|-------|-------|--------|--------|-------|--------|--------------------|--|--------|
| | | | NOV 6 | NOV 15 | NOV 25 | DEC 2 | DEC 9 | DEC 17 | DEC 23 | JAN 6 | JAN 13 | | | JAN 20 |
| 67 PCB | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | IL | 20 | 3000 |
| 67 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | SM | IL | ng/L | ng/L |
| 68 P,P-DDD | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | IL | 5 | d |
| 68 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | SM | IL | ng/L | |
| 69 P,P-DDE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | IL | 1 | d |
| 69 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | SM | IL | ng/L | |
| 70 P,P-DDT | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | IL | 5 | d |
| 70 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | SM | IL | ng/L | |
| 71 AMETRINE | | R | <W | + | + | + | + | + | + | + | + | + | 50 | |
| 71 (SPC) | ng/L | T | <W | + | + | + | + | + | + | + | + | + | ng/L | |
| 72 ATRAZINE | | R | <W | + | + | + | + | + | + | + | + | + | 50 | 46000 |
| 72 (SPC) | ng/L | T | <W | + | + | + | + | + | + | + | + | + | ng/L | ng/L |
| 73 DIAZINON | | R | NS | + | + | + | + | + | + | + | + | + | 50 | 14000 |
| 73 (SPC) | ng/L | T | NS | + | + | + | + | + | + | + | + | + | ng/L | ng/L |
| 74 BLADEx | | R | <W | + | + | + | + | + | + | + | + | + | 100 | 10000 |
| 74 (SPC) | ng/L | T | <W | + | + | + | + | + | + | + | + | + | ng/L | ng/L |
| 75 PROMETONE | | R | <W | + | + | + | + | + | + | + | + | + | 50 | |
| 75 (SPC) | ng/L | T | <W | + | + | + | + | + | + | + | + | + | ng/L | |
| 76 PROPazine | | R | <W | + | + | + | + | + | + | + | + | + | 50 | |
| 76 (SPC) | ng/L | T | <W | + | + | + | + | + | + | + | + | + | ng/L | |
| 77 PROMETRYNE | | R | <W | + | + | + | + | + | + | + | + | + | 50 | 1000 |
| 77 (SPC) | ng/L | T | <W | + | + | + | + | + | + | + | + | + | ng/L | ng/L |

WALPOLE ISLAND WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 8

| PARAMETERS | | | DATE | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-------------------------|------|---|-------|--------|--------|-------|-------|--------|--------|-------|--------|-----------------|---|
| | | | NOV 6 | NOV 15 | NOV 25 | DEC 2 | DEC 9 | DEC 17 | DEC 23 | JAN 6 | JAN 13 | | |
| 78 SENCOR | | R | <W | + | + | + | + | + | + | + | + | 100 | |
| 78 (SPC) | ng/L | T | <W | + | + | + | + | + | + | + | + | ng/L | |
| 79 SIMAZINE | | R | <W | + | + | + | + | + | + | + | + | 50 | 10000 |
| 79 (SPC) | ng/L | T | <W | + | + | + | + | + | + | + | + | ng/L | ng/L ! |
| 80 DICAMBA | | R | <W | + | + | + | + | + | + | + | + | 100 | 87000 |
| 80 (SPC) | ng/L | T | <W | + | + | + | + | + | + | + | + | ng/L | ng/L ! |
| 81 PICLORAM | | R | <W | + | + | + | + | + | + | + | + | 100 | |
| 81 (SPC) | ng/L | T | <W | + | + | + | + | + | + | + | + | ng/L | |
| 82 SILVEX | | R | <W | + | + | + | + | + | + | + | + | 50 | 10000 |
| 82 (SPC) | ng/L | T | <W | + | + | + | + | + | + | + | + | ng/L | ng/L |
| 83 2,4-D | | R | <W | + | + | + | + | + | + | + | + | 100 | 100000 |
| 83 (SPC) | ng/L | T | <W | + | + | + | + | + | + | + | + | ng/L | ng/L |
| 84 2,4-D BUTYRIC ACID | | R | <W | + | + | + | + | + | + | + | + | 200 | 18000 |
| 84 (SPC) | ng/L | T | <W | + | + | + | + | + | + | + | + | ng/L | ng/L ! |
| 85 2,4-D PROPIONIC ACID | | R | <W | + | + | + | + | + | + | + | + | 100 | |
| 85 (SPC) | ng/L | T | <W | + | + | + | + | + | + | + | + | ng/L | |
| 86 2,4,5-T | | R | <W | + | + | + | + | + | + | + | + | 50 | |
| 86 (SPC) | ng/L | T | <W | + | + | + | + | + | + | + | + | ng/L | |
| 87 TOTAL SOLIDS | | R | 150 | 146 | 145 | 150 | 145 | 148 | 145 | 148 | 145 | 1 | |
| 87 (LAB) | mg/L | T | 153 | 155 | 153 | 155 | 153 | 156 | 150 | 153 | 152 | mg/L | |
| 88 SELENIUM | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 0.001 | 0.01 |
| 88 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | mg/L |

WALPOLE ISLAND WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 9

| PARAMETERS | | | DATE | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------------|--|
| | | | NOV 6 | NOV 15 | NOV 25 | DEC 2 | DEC 9 | DEC 17 | DEC 23 | JAN 6 | JAN 13 | JAN 20 | |
| 89 STRONTIUM | R | 0.120 | NR | 0.090 | 0.099 | 0.091 | 0.083 | 0.093 | 0.092 | 0.092 | 0.094 | 0.001 | |
| 89 (MET) mg/L | T | 0.100 | NR | 0.100 | 0.099 | 0.089 | 0.090 | 0.090 | 0.092 | 0.093 | 0.094 | mg/L | |
| 90 TOTAL COLIFORM MF | R | 5900 | NR | 900 | 2500 | 1300 | 600 | 1400 | 1400 | 1800 | 5500 | 0 | ODWO Bacti |
| 90 (BAC) count/100mL | T | 1 | NR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 91 TOTAL COLIFORM BACKGROUND MF | R | 12300 | NR | 1000 | 3100 | 2800 | 1800 | 3200 | 9200 | 2700 | 5500 | 0 | OWDO Bacti |
| 91 (BAC) count/100mL | T | 3 | NR | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | |
| 92 TURBIDITY | R | 17.10 | 6.90 | 1.89 | 12.00 | 2.70 | 3.00 | 2.10 | 2.80 | 2.10 | 11.40 | 0.01 | 1 FTU |
| 92 (LAB) FTU | T | 0.10<T | 0.12<T | 0.15<T | 0.12<T | 0.11<T | 0.16<T | 0.12<T | 0.07<T | 0.11<T | 0.11<T | FTU | |
| 93 URANIUM | R | <W | NR | <W | <W | <W | <W | IS | <W | <W | <W | 0.002 | .02 mg/L t |
| 93 (MET) mg/L | T | <W | NR | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | |
| 94 VANADIUM | R | 0.001 | NR | 0.001 | 0.001 | <W | <W | <W | <W | <W | <W | 0.001 | |
| 94 (MET) mg/L | T | <W | NR | 0.001 | <W | <W | <W | <W | <W | <W | <W | mg/L | |
| 95 HEXACHLOROBUTADIENE | R | <W | 38 | <W | <W | 3<T | <W | 2<T | <W | <W | IL | 1 | 4500 ng/L e |
| 95 (CHA) ng/L | T | 9<T | 6<T | <W | <W | <W | 1<T | 3<T | <W | SM | IL | ng/L | |
| 96 1,1-DICHLOROETHYLENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | .3 ug/L h |
| 96 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | |
| 97 T,1,2-DICHLOROETHYLENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | |
| 97 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | |
| 98 1,1-DICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | |
| 98 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | |

WALPOLE ISLAND WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 10

| PARAMETERS | | | DATE | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|---------------------------|---|----|-------|--------|--------|-------|-------|--------|--------|-------|--------|--------------------|--|----|
| | | | NOV 6 | NOV 15 | NOV 25 | DEC 2 | DEC 9 | DEC 17 | DEC 23 | JAN 6 | JAN 13 | | | |
| 99 CHLOROFORM | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 350 | ++ |
| 99 (VOL) ug/L | T | 38 | 18 | 16 | | 16 | 11 | 24 | 9 | 10 | 16 | ug/L | ug/L | |
| 100 DICHLOROMETHANE | R | <W | <W | NR | <W | <W | <W | <W | <W | <W | CS | 5 | 40 | c |
| 100 (VOL) ug/L | T | <W | <W | NR | | <W | <W | <W | <W | <W | CS | ug/L | ug/L | |
| 101 1,1,1-TRICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 1000 | c |
| 101 (VOL) ug/L | T | <W | <W | <W | | <W | <W | <W | <W | <W | <W | ug/L | ug/L | |
| 102 1,2-DICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 10 | h |
| 102 (VOL) ug/L | T | <W | <W | <W | | <W | <W | <W | <W | <W | <W | ug/L | ug/L | |
| 103 CARBON TETRACHLORIDE | R | <W | <W | <W | 1 | 1 | 1 | <W | <W | <W | <W | 1 | 3 | h |
| 103 (VOL) ug/L | T | 1 | <W | 1 | | <W | 1 | 1 | <W | <W | <W | ug/L | ug/L | |
| 104 1,2 DICHLOROPROPANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | | |
| 104 (VOL) ug/L | T | <W | <W | <W | | <W | <W | <W | <W | <W | <W | ug/L | | |
| 105 TRICHLOROETHYLENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 30 | h |
| 105 (VOL) ug/L | T | <W | <W | <W | | <W | <W | <W | <W | <W | <W | ug/L | ug/L | |
| 106 DICHLOROBROMOMETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 350 | ++ |
| 106 (VOL) ug/L | T | 16 | 10 | 10 | | 10 | 7 | 11 | 9 | 7 | 6 | ug/L | ug/L | |
| 107 1,1,2-TRICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 6 | e |
| 107 (VOL) ug/L | T | <W | <W | <W | | <W | <W | <W | <W | <W | <W | ug/L | ug/L | |
| 108 CHLORODIBROMOMETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 350 | ++ |
| 108 (VOL) ug/L | T | 11 | 10 | 16 | | 14 | 7 | 11 | 15 | 13 | 11 | ug/L | ug/L | |

WALPOLE ISLAND WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 11

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-------------------------------|---|-----|---------|--------|--------|-------|-------|--------|--------|-------|--------|--------------------|--|
| | | | NOV 6 | NOV 15 | NOV 25 | DEC 2 | DEC 9 | DEC 17 | DEC 23 | JAN 6 | JAN 13 | JAN 20 | |
| 109 TETRACHLOROETHYLENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 10 |
| 109 (VOL) ug/L | T | <W | <W | <W | | <W | <W | <W | <W | <W | <W | 1 | ug/L h |
| 110 BROMOFORM | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 350 |
| 110 (VOL) ug/L | T | <W | <W | <W | | <W | <W | 2 | <W | <W | <W | 1 | ug/L ++ |
| 111 1,1,2,2-TETRACHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1.7 |
| 111 (VOL) ug/L | T | <W | <W | <W | | <W | <W | <W | <W | <W | <W | 1 | ug/L e |
| 112 HEXACHLOROENZENE | R | <W | 32 | <W | <W | <W | <W | <W | <W | <W | IL | 1 | 10 |
| 112 (PST) ng/L | T | 2<T | <W | <W | <W | <W | <W | <W | <W | SM | IL | 1 | ng/L h |
| 113 HEXACHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | IL | 1 | 19000 |
| 113 (CHA) ng/L | T | 8<T | <W | <W | <W | <W | <W | 4<T | <W | SM | IL | 1 | ng/L e |
| 114 OCTACHLOROSTYRENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | IL | 1 | |
| 114 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | SM | IL | 1 | |
| 115 PENTACHLOROENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | IL | 1 | 74000 |
| 115 (CHA) ng/L | T | 4<T | <W | <W | 2<T | <W | <W | <W | <W | SM | IL | 1 | ng/L e |
| 116 TOTAL TRIHALOMETHANES | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 3 | 350 |
| 116 (VOL) ug/L | T | 65 | 38 | 42 | | 40 | 25 | 48 | 33 | 30 | 33 | 3 | ug/L ++ |
| 117 2,3,6-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | IL | 5 | |
| 117 (CHA) ng/L | T | <W | <W | 14<T | <W | <W | 13<T | <W | <W | SM | IL | 5 | |
| 118 2,4,5-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | IL | 5 | 10000 |
| 118 (CHA) ng/L | T | <W | <W | <W | 14<T | <W | <W | <W | <W | SM | IL | 5 | ng/L g |
| 119 2,6,A-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | IL | 5 | |
| 119 (CHA) mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | SM | IL | 5 | |

WALPOLE ISLAND WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 12

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|--------------------------------|---|----|---------|--------|--------|-------|-------|--------|--------|-------|--------|--------------------|--|
| | | | NOV 6 | NOV 15 | NOV 25 | DEC 2 | DEC 9 | DEC 17 | DEC 23 | JAN 6 | JAN 13 | | |
| 120 CHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 100-300 |
| 120 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L h* |
| 121 1,4-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 400 |
| 121 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L e |
| 122 1,3-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 400 |
| 122 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L e |
| 123 1,2-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 400 |
| 123 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L e |
| 124 TRIFLUOROCHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | |
| 124 (CHA) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | |
| 125 1,2,3-TRICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | IL | 5 | 10000 |
| 125 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | SM | IL | ng/L | ng/L y |
| 126 1,2,3,4-TETRACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | IL | 1 | |
| 126 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | SM | IL | ng/L | |
| 127 1,2,3,5-TETRACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | IL | 1 | |
| 127 (CHA) ng/L | T | <W | 23 | <W | <W | <W | <W | <W | <W | SM | IL | ng/L | |
| 128 1,2,4-TRICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | IL | 5 | 15000 |
| 128 (CHA) ng/L | T | <W | <W | 13<T | 17<T | <W | <W | <W | <W | SM | IL | ng/L | ng/L y |
| 129 1,2,4,5-TETRACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | IL | 1 | 38000 |
| 129 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | SM | IL | ng/L | ng/L e |
| 130 1,3,5-TRICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | IL | 5 | 10000 |
| 130 (CHA) ng/L | T | <W | 24<T | <W | 6<T | <W | <W | <W | <W | SM | IL | ng/L | ng/L y |

WALPOLE ISLAND WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 13

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|-------------------------------|---|-------|---------|--------|--------|-------|-------|--------|--------|-------|--------|--------------------|--|--------|
| | | | NOV 6 | NOV 15 | NOV 25 | DEC 2 | DEC 9 | DEC 17 | DEC 23 | JAN 6 | JAN 13 | | | JAN 20 |
| 131 PENTACHLOROPHENOL | R | <W | + | + | + | + | + | + | + | + | + | 50 | 10000 ng/L | h |
| 131 (CHP) ng/L | T | <W | + | + | + | + | + | + | + | + | + | ng/L | | |
| 132 2,3,4-TRICHLOROPHENOL | R | <W | + | + | + | + | + | + | + | + | + | 100 | 10000 ng/L | h |
| 132 (CHP) ng/L | T | <W | + | + | + | + | + | + | + | + | + | ng/L | | |
| 133 2,3,4,5-TETRACHLOROPHENOL | R | <W | + | + | + | + | + | + | + | + | + | 50 | 10000 ng/L | h |
| 133 (CHP) ng/L | T | <W | + | + | + | + | + | + | + | + | + | ng/L | | |
| 134 2,3,5,6-TETRACHLOROPHENOL | R | <W | + | + | + | + | + | + | + | + | + | 50 | 10000 ng/L | h |
| 134 (CHP) ng/L | T | <W | + | + | + | + | + | + | + | + | + | ng/L | | |
| 135 2,4,5-TRICHLOROPHENOL | R | <W | + | + | + | + | + | + | + | + | + | 50 | 10000 ng/L | h |
| 135 (CHP) ng/L | T | <W | + | + | + | + | + | + | + | + | + | ng/L | | |
| 136 2,4,6-TRICHLOROPHENOL | R | <W | + | + | + | + | + | + | + | + | + | 50 | 10000 ng/L | h |
| 136 (CHP) ng/L | T | <W | + | + | + | + | + | + | + | + | + | ng/L | | |
| 137 ZINC | R | 0.005 | NR | 0.004 | 0.004 | 0.003 | 0.006 | 0.004 | 0.002 | 0.003 | 0.005 | 0.001 | 5 mg/L | h |
| 137 (MET) mg/L | T | 0.004 | NR | 0.005 | 0.006 | 0.004 | 0.007 | 0.004 | 0.005 | 0.006 | 0.002 | mg/L | | |
| 138 PENTACHLOROPROPANE | R | NS | NS | NS | NS | <W | <W | <W | <W | <W | <W | 0.1 | 0.1 ug/L | h |
| 138 (MS) ug/L | T | NS | NS | NS | NS | <W | <W | <W | <W | <W | <W | ug/L | | |
| 139 PENTACHLOROPROPENE | R | NS | NS | NS | NS | <W | <W | <W | <W | <W | <W | 0.1 | 0.1 ug/L | h |
| 139 (MS) ug/L | T | NS | NS | NS | NS | <W | <W | <W | <W | <W | <W | ug/L | | |
| 140 HEXACHLOROPROPENE | R | NS | NS | NS | NS | <W | <W | <W | <W | <W | <W | 0.1 | 0.1 ug/L | h |
| 140 (MS) ug/L | T | NS | NS | NS | NS | <W | <W | <W | <W | <W | <W | ug/L | | |
| 141 TETRACHLOROBUTANE | R | NS | NS | NS | NS | <W | <W | <W | <W | <W | <W | 0.1 | 0.1 ug/L | h |
| 141 (MS) ug/L | T | NS | NS | NS | NS | <W | <W | <W | <W | <W | <W | ug/L | | |

PAGE 14

[illegible]

WALPOLE ISLAND WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 15

| PARAMETERS | DATE | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-----------------------------|-------|--------|--------|-------|-------|--------|--------|-------|--------|--------|--------------------|--|
| | NOV 6 | NOV 15 | NOV 25 | DEC 2 | DEC 9 | DEC 17 | DEC 23 | JAN 6 | JAN 13 | JAN 20 | | |
| 152 BIPHENYL | R NS | NS | NS | NS | <W | <W | <W | <W | <W | <W | 0.1 | |
| 152 (MS) ug/L | T NS | NS | NS | NS | <W | <W | <W | <W | <W | <W | ug/L | |
| 153 ALIPHATIC HYDROCARBONS* | R NS | NS | NS | NS | <W | 43(23) | <W | <W | <W | <W | 0.1 | |
| 153 (MS) ug/L | T NS | NS | NS | NS | <W | <W | <W | <W | <W | <W | ug/L | |
| 154 TRIMETHYL NAPHTHALENE** | R NS | NS | NS | NS | <W | 1.4(3) | <W | <W | <W | <W | 0.1 | |
| 154 (MS) ug/L | T NS | NS | NS | NS | <W | <W | <W | <W | <W | <W | ug/L | |
| 155 DIMETHYL FLUORENE | R NS | NS | NS | NS | <W | 1.1 | <W | <W | <W | <W | 0.1 | |
| 155 (MS) ug/L | T NS | NS | NS | NS | <W | <W | <W | <W | <W | <W | ug/L | |
| 156 BUTOXY ETHOXYETHANE | R NS | NS | NS | NS | <W | <W | <W | <W | <W | <W | 0.1 | |
| 156 (MS) ug/L | T NS | NS | NS | NS | <W | <W | <W | <W | <W | <W | ug/L | |
| 157 STYRENE | R NS | NS | NS | NS | <W | <W | <W | <W | <W | <W | 0.1 | |
| 157 (MS) ug/L | T NS | NS | NS | NS | <W | <W | <W | <W | <W | <W | ug/L | |

* - Hydrocarbon "envelope" - total concentration is number given - number in brackets is an estimation of the number of compounds in the envelope

** - Number in brackets is number of isomers present

LAB - Chemistry (LAB)

FLD - Chemistry (FIELD)

BAC - Bacteriological

MS - Mass Spec. Ana.

MET - Metal

VOL - Volatiles

PST - PCB/OC Scan. Pesticides

CHA - Chloroaromatics

CHP - Chlorophenols

SPC - Specific Pesticides

TABLE A

WALPOLE ISLAND WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 1a

| PARAMETERS | | | D A T E | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|----------------|------|---|---------|-------|--------|--------|--------|-------|--------|--------|--|--|--------------------|--|
| | | | JAN 27 | FEB 3 | FEB 20 | FEB 23 | MAR 12 | APR 1 | APR 15 | APR 29 | | | | |
| 1 ALKALINITY | | R | 83.8 | 82.8 | 82.6 | 84.0 | 84.5 | 83.1 | 83.8 | 84.0 | | | 0.2 | |
| 1 (LAB) | mg/L | T | 73.4 | NS | 72.6 | 73.0 | 72.2 | 74.5 | 75.3 | 76.6 | | | mg/L | |
| 2 ALUMINUM | | R | 0.220 | 0.028 | 0.038 | 0.047 | 0.570 | 0.024 | 0.120 | 0.064 | | | 0.003 | |
| 2 (MET) | mg/L | T | 0.042 | NS | 0.045 | 0.039 | 0.046 | 0.036 | 0.039 | 0.058 | | | mg/L | |
| 3 ARSENIC | | R | <W | <W | <W | <W | <W | <W | <W | <W | | | 0.001 | 0.05 |
| 3 (MET) | mg/L | T | <W | NS | <W | <W | <W | <W | <W | <W | | | mg/L | mg/L |
| 4 BARIUM | | R | 0.013 | 0.012 | 0.012 | 0.012 | 0.015 | 0.012 | 0.014 | 0.014 | | | 0.001 | 1 |
| 4 (MET) | mg/L | T | 0.011 | NS | 0.011 | 0.012 | 0.013 | 0.012 | 0.015 | 0.015 | | | mg/L | mg/L |
| 5 BORON | | R | <W | <W | <W | <W | <W | <W | <W | 0.09 | | | 0.02 | 5 |
| 5 (MET) | mg/L | T | <W | NS | <W | 0.02 | SM | <W | <W | SM | | | mg/L | mg/L |
| 6 BERYLLIUM | | R | <W | <W | <W | <W | <W | <W | <W | <W | | | 0.001 | |
| 6 (MET) | mg/L | T | <W | NS | <W | <W | <W | <W | <W | <W | | | mg/L | |
| 7 BENZENE | | R | 2 | 3 | 3 | <W | <W | <W | <W | 1 | | | 1 | 10 |
| 7 (VOL) | ug/L | T | 2 | NS | 2 | 1 | SM | <W | <W | <W | | | ug/L | ug/L h |
| 8 TOLUENE | | R | <W | <W | <W | <W | <W | <W | <W | <W | | | 1 | 100 |
| 8 (VOL) | ug/L | T | <W | NS | <W | <W | SM | <W | <W | <W | | | ug/L | ug/L c |
| 9 ETHYLBENZENE | | R | 8 | <W | <W | <W | <W | <W | <W | <W | | | 1 | 1400 |
| 9 (VOL) | ug/L | T | 2 | NS | <W | <W | SM | <W | <W | <W | | | ug/L | ug/L e |
| 10 P-XYLENE | | R | <W | <W | <W | <W | <W | <W | <W | <W | | | 1 | 620 |
| 10 (VOL) | ug/L | T | <W | NS | <W | <W | SM | <W | <W | <W | | | ug/L | ug/L c |
| 11 M-XYLENE | | R | <W | <W | <W | <W | <W | <W | <W | <W | | | 1 | 620 |
| 11 (VOL) | ug/L | T | <W | NS | <W | <W | SM | <W | <W | <W | | | ug/L | ug/L c |

WALPOLE ISLAND WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 2a

| PARAMETERS | | | D A T E | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-------------------|-------------|---|---------|--------|--------|--------|--------|--------|--------|--------|--|--|--------------------|--|
| | | | JAN 27 | FEB 3 | FEB 20 | FEB 23 | MAR 12 | APR 1 | APR 15 | APR 29 | | | | |
| 12 O-XYLENE | | R | <W | <W | <W | <W | <W | <W | <W | <W | | | 1 ug/L | 620 |
| 12 (VOL) | ug/L | T | <W | NS | <W | <W | SM | <W | <W | <W | | | | ug/L c |
| 13 CALCIUM | | R | 27.5 | 27.5 | 29.0 | 28.5 | 28.5 | 28.4 | 27.9 | 26.7 | | | 0.1 mg/L | |
| 13 (LAB) | mg/L | T | 28.5 | NS | 29.0 | 29.3 | 28.0 | 28.3 | 28.2 | 28.1 | | | | |
| 14 CYANIDE | | R | <W | <W | <W | <W | <W | <W | <W | <W | | | 0.001 | 0.2 |
| 14 (MET) | mg/L | T | <W | NS | <W | <W | 0.006 | <W | <W | <W | | | mg/L | mg/L |
| 15 CADMIUM | | R | <W | <W | <W | <W | <W | <W | <W | <W | | | 0.0003 | 0.005 |
| 15 (MET) | mg/L | T | <W | NS | <W | <W | <W | <W | <W | <W | | | mg/L | mg/L |
| 16 CHLORIDE | | R | 9.60 | 10.00 | 10.20 | 8.80 | 10.90 | 8.94 | 7.70 | 9.00 | | | 0.2 | 250 |
| 16 (LAB) | mg/L | T | 10.00 | NS | 10.40 | 10.20 | 11.20 | 9.67 | 10.10 | 10.00 | | | mg/L | mg/L |
| 17 COLOUR | TCU | R | 10.5 | 5.0 | 3.5 | 3.0 | 11.5 | 1.5<T | 4.0 | 1.0<T | | | 0.5 | 5 |
| 17 (LAB) | | T | <W | NS | <W | <W | 1.0<T | 0.5<T | <W | 1.0<T | | | TCU | TCU |
| 18 CONDUCTIVITY | | R | 238.00 | 234.00 | 235.00 | 234.00 | 235.00 | 224.00 | 220.00 | 225.00 | | | 0.01 | |
| 18 (LAB) | umho/cm | T | 243.00 | NS | 239.00 | 241.00 | 240.00 | 235.00 | 235.00 | 232.00 | | | UMHO/CM | |
| 19 COBALT | | R | <W | <W | <W | <W | <W | <W | <W | <W | | | 0.001 | |
| 19 (MET) | mg/L | T | <W | NS | <W | <W | <W | <W | <W | <W | | | mg/L | |
| 20 CHROMIUM | | R | 0.002 | 0.001 | 0.001 | 0.001 | 0.002 | 0.001 | <W | <W | | | 0.001 | 0.05 |
| 20 (MET) | mg/L | T | 0.001 | NS | 0.001 | 0.001 | 0.002 | 0.002 | <W | <W | | | mg/L | mg/L |
| 21 COPPER | | R | 0.003 | 0.002 | 0.002 | 0.003 | 0.004 | 0.007 | 0.001 | 0.001 | | | 0.001 | 1 |
| 21 (MET) | mg/L | T | 0.005 | NS | 0.004 | 0.005 | 0.006 | 0.006 | 0.004 | 0.003 | | | mg/L | mg/L |
| 22 F. COLIFORM MF | | R | 84 | 88 | 66 | 105 | 137 | 22 | 101 | 99 | | | 0 | 0/0.1 |
| 22 (BAC) | count/100mL | T | NA | NA | NA | NA | NA | NA | NA | NA | | | | mL |

WALPOLE ISLAND WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 3a

| PARAMETERS | | | DATE | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|------------------------------|----------|---|--------|-------|--------|--------|--------|-------|--------|--------|--------------------|--|
| | | | JAN 27 | FEB 3 | FEB 20 | FEB 23 | MAR 12 | APR 1 | APR 15 | APR 29 | | |
| 23 IRON | | R | 0.250 | 0.037 | 0.027 | 0.042 | 0.500 | 0.088 | 0.160 | 0.073 | 0.002 mg/L | 0.3 mg/L |
| 23 (MET) | mg/L | T | 0.007 | NS | 0.007 | 0.014 | 0.013 | 0.004 | 0.005 | 0.005 | | |
| 24 FLUORIDE | | R | 0.10 | 0.09 | 0.09 | 0.08 | 0.09 | 0.11 | 0.09 | 0.09 | 0.01 mg/L | 2.4 mg/L |
| 24 (LAB) | mg/L | T | 0.08 | NS | 0.06 | 0.06 | 0.06 | 0.08 | 0.07 | 0.07 | | |
| 25 FIELD CHLORINE (COMBINED) | | R | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 25 (FLD) | | T | 0.10 | 0.10 | 0.10 | 0.10 | 0.20 | 1.00 | 0.20 | 0.40 | | |
| 26 FIELD CHLORINE (FREE) | | R | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 26 (FLD) | | T | 0.70 | 0.90 | 0.70 | 0.70 | 0.60 | 1.00 | 0.80 | 0.80 | | |
| 27 FIELD CHLORINE (TOTAL) | | R | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 27 (FLD) | | T | 0.80 | 1.00 | 0.80 | 0.80 | 0.80 | 2.00 | 1.00 | 1.20 | | |
| 28 FIELD PH | | R | 7.90 | 7.90 | 7.60 | 7.60 | 7.80 | 7.70 | 7.80 | 7.70 | | |
| 28 (FLD) | | T | 7.60 | 7.60 | 7.40 | 7.30 | 7.60 | 7.50 | 7.60 | 7.60 | | |
| 29 FIELD TEMPERATURE | | R | 0.5 | 0.5 | 1.0 | 0.0 | 1.0 | 3.0 | 4.5 | 7.0 | | |
| 29 (FLD) | | T | 2.0 | 1.0 | 3.0 | 2.0 | NS | 0.0 | NS | 8.0 | | |
| 30 FIELD TURBIDITY | | R | 20.10 | 7.00 | 2.00 | 1.60 | 18.40 | 1.80 | 12.40 | 3.30 | | 1 FTU |
| 30 (FLD) | | T | 0.30 | 1.20 | 0.10 | 0.60 | 0.17 | 0.01 | 0.18 | 3.30 | | |
| 31 HARDNESS | | R | 99.5 | 99.5 | 104.0 | 103.0 | 102.0 | 101.0 | 100.0 | 86.5 | 0.5 mg/L | |
| 31 (LAB) | mg/L | T | 102.0 | NS | 104.0 | 104.0 | 101.0 | 101.0 | 100.5 | 99.5 | | |
| 32 STANDARD PLATE COUNT MF | | R | 620 | 1500 | AW | 500 | >2400 | 520 | OP | 450 | 0 | 500 orga- nisms per mL |
| 32 (BAC) | count/mL | T | 0 | NS | AW | AW | | AW | AW | AW | | |
| 33 MERCURY | | R | 0.03 | <W | 0.01 | 0.01 | 0.01 | <W | 0.01 | <W | 0.01 ug/L | 1 ug/L |
| 33 (MET) | ug/L | T | <W | NS | 0.01 | 0.01 | SM | <W | <W | <W | | |

WALPOLE ISLAND WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 4a

| PARAMETERS | | | DATE | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|----------------------------|------|---|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--------------------|--|
| | | | JAN 27 | FEB 3 | FEB 20 | FEB 23 | MAR 12 | APR 1 | APR 15 | APR 29 | | | | |
| 34 MAGNESIUM | | R | 7.50 | 7.50 | 7.70 | 7.80 | 7.50 | 7.35 | 7.30 | 4.85 | | | 0.05 | |
| 34 (LAB) | mg/L | T | 7.60 | NS | 7.70 | 7.60 | 7.50 | 7.35 | 7.35 | 7.05 | | | mg/L | |
| 35 MANGANESE | | R | 0.008 | 0.003 | 0.002 | 0.002 | 0.010 | 0.003 | 0.004 | 0.003 | | | 0.001 | 0.05 |
| 35 (MET) | mg/L | T | 0.002 | NS | 0.001 | 0.002 | 0.002 | 0.002 | 0.001 | 0.001 | | | mg/L | mg/L |
| 36 MOLYBDENUM | | R | <W | <W | <W | <W | <W | <W | <W | <W | | | 0.001 | |
| 36 (MET) | mg/L | T | <W | NS | <W | <W | <W | <W | 0.001 | <W | | | mg/L | |
| 37 SODIUM | | R | 6.5 | 6.5 | 7.0 | 6.5 | 6.7 | 5.6 | 5.0 | 5.8 | | | 0.1 | |
| 37 (LAB) | mg/L | T | 6.5 | NS | 7.0 | 6.7 | 6.5 | 5.7 | 6.2 | 6.1 | | | mg/L | |
| 38 NICKEL | | R | <W | <W | <W | <W | <W | <W | <W | | | | 0.002 | |
| 38 (MET) | mg/L | T | <W | NS | <W | <W | 0.003 | <W | <W | | | | mg/L | |
| 39 AMMONIUM TOTAL | | R | <W | <W | <W | <W | <W | <W | <W | <W | | | 0.05 | |
| 39 (LAB) | mg/L | T | <W | NS | <W | <W | <W | <W | <W | <W | | | mg/L | |
| 40 NITRITE | | R | <W | <W | <W | <W | <W | 0.006 | 0.006 | <W | | | 0.005 | 1 mg/L |
| 40 (LAB) | mg/L | T | <W | NS | <W | <W | <W | <W | <W | <W | | | mg/L | as N |
| 41 NITRATE | | R | 0.365 | 0.350 | 0.400 | 0.455 | 0.445 | 0.335 | 0.365 | 0.335 | | | 0.05 | 10 mg/L |
| 41 (LAB) | mg/L | T | 0.375 | NS | 0.375 | 0.435 | 0.415 | 0.335 | 0.350 | 0.345 | | | mg/L | as N |
| 42 NITROGEN TOTAL KJELDAHL | | R | 0.200 | 0.150 | 0.180 | 0.170 | 0.240 | 0.130 | <W | 0.190 | | | 0.1 | 0.15 |
| 42 (LAB) | mg/L | T | <W | NS | <W | <W | <W | <W | <W | <W | | | mg/L | mg/L * |
| 43 PRESENCE/ABSENCE | | R | NA | NA | NA | NA | NA | NA | NA | NA | | | 0 | Absent |
| 43 (BAC) | | T | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | | | | |
| 44 LEAD | | R | <W | <W | <W | <W | <W | <W | <W | <W | | | 0.003 | 0.05 |
| 44 (MET) | mg/L | T | <W | NS | <W | <W | <W | <W | <W | <W | | | mg/L | mg/L |

**WALPOLE ISLAND WATER TREATMENT PLANT
1986 DWSP DATA**

PAGE 5a

| PARAMETERS | | D A T E | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------------------------|---|---------|-------|--------|--------|--------|-------|--------|--------|--|--|--------------------|--|
| | | JAN 27 | FEB 3 | FEB 20 | FEB 23 | MAR 12 | APR 1 | APR 15 | APR 29 | | | | |
| 45 PH | R | 8.13 | 8.01 | 7.98 | 8.08 | 8.13 | 8.22 | 8.26 | 8.21 | | | | |
| 45 (LAB) | T | 7.43 | NS | 7.35 | 7.38 | 7.63 | 7.78 | 7.85 | 7.86 | | | | |
| 46 PHOSPHORUS FILTERED REACTIVE | R | <W | <W | <W | <W | <W | <W | <W | <W | | | 0.01 | |
| 46 (LAB) mg/L | T | <W | NS | <W | <W | <W | <W | <W | <W | | | mg/L | |
| 47 PHOSPHORUS TOTAL | R | 0.027 | <W | <W | 0.010 | 0.025 | <W | 0.012 | <W | | | 0.01 | |
| 47 (LAB) mg/L | T | <W | NS | <W | <W | <W | <W | <W | <W | | | mg/L | |
| 48 ALDRIN | R | <W | <W | <W | <W | <W | <W | <W | | | | 1 | 700 |
| 48 (PST) ng/L | T | <W | NS | <W | <W | <W | LA | <W | | | | ng/L | ng/L ** |
| 49 ALPHA BHC | R | 2<T | 5<T | 3<T | <W | 2<T | 6<T | <W | | | | 1 | 700 |
| 49 (PST) ng/L | T | 5<T | NS | 2<T | 3<T | 2<T | LA | <W | | | | ng/L | ng/L c |
| 50 BETA BHC | R | <W | <W | <W | <W | <W | <W | <W | | | | 1 | 300 |
| 50 (PST) ng/L | T | <W | NS | <W | <W | <W | LA | <W | | | | ng/L | ng/L c |
| 51 LINDANE | R | <W | <W | <W | <W | 2<T | <W | <W | | | | 1 | 4000 |
| 51 (PST) ng/L | T | <W | NS | <W | 1<T | <W | LA | <W | | | | ng/L | ng/L |
| 52 ALPHA CHLORDANE | R | <W | <W | <W | <W | <W | <W | <W | | | | 2 | 700 |
| 52 (PST) ng/L | T | <W | NS | <W | <W | <W | LA | <W | | | | ng/L | ng/L *** |
| 53 GAMMA CHLORDANE | R | <W | <W | <W | <W | <W | <W | <W | | | | 2 | 700 |
| 53 (PST) ng/L | T | <W | NS | <W | <W | <W | LA | <W | | | | ng/L | ng/L *** |
| 54 DIELDRIN | R | <W | <W | <W | <W | <W | <W | <W | | | | 2 | 700 |
| 54 (PST) ng/L | T | <W | NS | <W | <W | <W | LA | <W | | | | ng/L | ng/L ** |
| 55 METHOXYCHLOR | R | <W | 13<T | <W | <W | <W | <W | <W | | | | 5 | 100000 |
| 55 (PST) ng/L | T | <W | NS | <W | <W | <W | LA | <W | | | | ng/L | ng/L |

**WALPOLE ISLAND WATER TREATMENT PLANT
1986 DWSP DATA**

PAGE 6a

| PARAMETERS | | | D A T E | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-----------------------|------|---|---------|-------|--------|--------|--------|-------|--------|--------|--------------------|--|
| | | | JAN 27 | FEB 3 | FEB 20 | FEB 23 | MAR 12 | APR 1 | APR 15 | APR 29 | | |
| 56 ENDRIN | | R | <W | <W | <W | <W | <W | <W | <W | | 4 | 200 |
| 56 (PST) | ng/L | T | <W | NS | <W | <W | <W | LA | <W | | ng/L | ng/L |
| 57 THIODAN SULPHATE | | R | <W | <W | <W | <W | <W | <W | <W | | 4 | |
| 57 (PST) | ng/L | T | <W | NS | <W | <W | <W | LA | <W | | ng/L | |
| 58 THIODAN I | | R | <W | <W | <W | <W | <W | <W | <W | | 2 | 74000 |
| 58 (PST) | ng/L | T | <W | NS | <W | <W | <W | LA | <W | | ng/L | ng/L ea |
| 59 THIODAN II | | R | <W | <W | <W | <W | <W | <W | <W | | 4 | 74000 |
| 59 (PST) | ng/L | T | <W | NS | <W | <W | <W | LA | <W | | ng/L | ng/L ea |
| 60 METHYLPARATHION | | R | + | + | + | + | + | + | + | + | 50 | 7000 |
| 60 (SPC) | | T | + | + | + | + | + | + | + | + | ng/L | ng/L |
| 61 PARATHION | | R | + | + | + | + | + | + | + | + | 50 | 35000 |
| 61 (SPC) | | T | + | + | + | + | + | + | + | + | ng/L | ng/L |
| 62 HEPTACHLOR EPOXIDE | | R | <W | <W | <W | <W | <W | <W | <W | | 1 | 3000 +++ |
| 62 (PST) | ng/L | T | <W | NS | <W | <W | <W | LA | <W | | ng/L | ng/L |
| 63 HEPTACHLOR | | R | <W | <W | <W | <W | <W | <W | <W | | 1 | 3000 |
| 63 (PST) | ng/L | T | <W | NS | <W | <W | <W | LA | <W | | ng/L | ng/L +++ |
| 64 MIREX | | R | <W | 6<T | <W | <W | <W | <W | <W | | 5 | |
| 64 (PST) | ng/L | T | <W | NS | <W | <W | <W | LA | <W | | ng/L | |
| 65 OXYCHLORDANE | | R | <W | <W | <W | <W | <W | <W | <W | | 2 | |
| 65 (PST) | ng/L | T | <W | NS | <W | <W | <W | LA | <W | | ng/L | |
| 66 O, P, -DDT | | R | <W | <W | <W | <W | <W | <W | <W | | 5 | 30000 |
| 66 (PST) | ng/L | T | <W | NS | <W | <W | <W | LA | <W | | ng/L | ng/L d |

WALPOLE ISLAND WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 7a

| PARAMETERS | | | D A T E | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------|------|---|---------|-------|--------|--------|--------|-------|--------|--------|--|--|--------------------|--|
| | | | JAN 27 | FEB 3 | FEB 20 | FEB 23 | MAR 12 | APR 1 | APR 15 | APR 29 | | | | |
| 67 PCB | | R | <W | <W | <W | <W | <W | <W | <W | | | | 20 | 3000 |
| 67 (PST) | ng/L | T | <W | NS | <W | <W | <W | LA | <W | | | | ng/L | ng/L t |
| 68 P,P-DDD | | R | <W | <W | <W | <W | <W | <W | <W | | | | 5 | d |
| 68 (PST) | ng/L | T | <W | NS | <W | <W | <W | LA | <W | | | | ng/L | |
| 69 P,P-DDE | | R | <W | <W | <W | <W | <W | <W | <W | | | | 1 | d |
| 69 (PST) | ng/L | T | <W | NS | <W | <W | <W | LA | <W | | | | ng/L | |
| 70 P,P-DDT | | R | <W | <W | <W | <W | <W | <W | <W | | | | 5 | d |
| 70 (PST) | ng/L | T | <W | NS | <W | <W | <W | LA | <W | | | | ng/L | |
| 71 AMETRINE | | R | + | + | + | + | + | + | + | + | | | 50 | |
| 71 (SPC) | ng/L | T | + | + | + | + | + | + | + | + | | | ng/L | |
| 72 ATRAZINE | | R | + | + | + | + | + | + | + | + | | | 50 | 46000 |
| 72 (SPC) | ng/L | T | + | + | + | + | + | + | + | + | | | ng/L | ng/L ! |
| 73 DIAZINON | | R | + | + | + | + | + | + | + | + | | | 50 | 14000 |
| 73 (SPC) | ng/L | T | + | + | + | + | + | + | + | + | | | ng/L | ng/L |
| 74 BLADEX | | R | + | + | + | + | + | + | + | + | | | 100 | 10000 |
| 74 (SPC) | ng/L | T | + | + | + | + | + | + | + | + | | | ng/L | ng/L ! |
| 75 PROMETONE | | R | + | + | + | + | + | + | + | + | | | 50 | |
| 75 (SPC) | ng/L | T | + | + | + | + | + | + | + | + | | | ng/L | |
| 76 PROPAZINE | | R | + | + | + | + | + | + | + | + | | | 50 | |
| 76 (SPC) | ng/L | T | + | + | + | + | + | + | + | + | | | ng/L | |
| 77 PROMETRYNE | | R | + | + | + | + | + | + | + | + | | | 50 | 1000 |
| 77 (SPC) | ng/L | T | + | + | + | + | + | + | + | + | | | ng/L | ng/L ! |

WALPOLE ISLAND WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 8a

| PARAMETERS | | | D A T E | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-------------------------|------|---|---------|-------|--------|--------|--------|-------|--------|--------|--|--|--------------------|--|
| | | | JAN 27 | FEB 3 | FEB 20 | FEB 23 | MAR 12 | APR 1 | APR 15 | APR 29 | | | | |
| 78 SENCOR | | R | + | + | + | + | + | + | + | + | | | 100 | |
| 78 (SPC) | ng/L | T | + | + | + | + | + | + | + | + | | | ng/L | |
| 79 SIMAZINE | | R | + | + | + | + | + | + | + | + | | | 50 | 10000 |
| 79 (SPC) | ng/L | T | + | + | + | + | + | + | + | + | | | ng/L | ng/L ! |
| 80 DICAMBA | | R | + | + | + | + | + | + | + | + | | | 100 | 87000 |
| 80 (SPC) | ng/L | T | + | + | + | + | + | + | + | + | | | ng/L | ng/L ! |
| 81 PICLORAM | | R | + | + | + | + | + | + | + | + | | | 100 | |
| 81 (SPC) | ng/L | T | + | + | + | + | + | + | + | + | | | ng/L | |
| 82 SILVEX | | R | + | + | + | + | + | + | + | + | | | 50 | 10000 |
| 82 (SPC) | ng/L | T | + | + | + | + | + | + | + | + | | | ng/L | ng/L |
| 83 2,4-D | | R | + | + | + | + | + | + | + | + | | | 100 | 100000 |
| 83 (SPC) | ng/L | T | + | + | + | + | + | + | + | + | | | ng/L | ng/L |
| 84 2,4-D BUTYRIC ACID | | R | + | + | + | + | + | + | + | + | | | 200 | 18000 |
| 84 (SPC) | ng/L | T | + | + | + | + | + | + | + | + | | | ng/L | ng/L ! |
| 85 2,4-D PROPIONIC ACID | | R | + | + | + | + | + | + | + | + | | | 100 | |
| 85 (SPC) | ng/L | T | + | + | + | + | + | + | + | + | | | ng/L | |
| 86 2,4,5-T | | R | + | + | + | + | + | + | + | + | | | 50 | |
| 86 (SPC) | ng/L | T | + | + | + | + | + | + | + | + | | | ng/L | |
| 87 TOTAL SOLIDS | | R | 155 | 152 | 152 | 152 | 152 | 137 | 147 | 146 | | | 1 | |
| 87 (LAB) | mg/L | T | 158 | NS | 155 | 157 | 158 | 153 | 153 | 151 | | | mg/L | |
| 88 SELENIUM | | R | <W | <W | <W | <W | <W | <W | <W | <W | | | 0.001 | 0.01 |
| 88 (MET) | mg/L | T | <W | NS | <W | <W | <W | <W | <W | <W | | | mg/L | mg/L |

WALPOLE ISLAND WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 9a

| PARAMETERS | | | DATE | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------------|--|
| | | | JAN 27 | FEB 3 | FEB 20 | FEB 23 | MAR 12 | APR 1 | APR 15 | APR 29 | | |
| 89 STRONTIUM | R | 0.094 | 0.086 | 0.087 | 0.097 | 0.110 | 0.095 | 0.094 | 0.090 | | 0.001 | |
| 89 (MET) mg/L | T | 0.095 | NS | 0.089 | 0.100 | 0.100 | 0.092 | 0.099 | 0.094 | | mg/L | |
| 90 TOTAL COLIFORM MF | R | 1000 | 1100 | 500 | 1100 | 5600 | 1400 | 1700 | 2000 | | 0 | ODWO |
| 90 (BAC) count/100mL | T | 0 | NS | 0 | 0 | | 0 | 0 | 0 | | | Bacti |
| 91 TOTAL COLIFORM BACKGROUND MF | R | 5400 | 2500 | 4200 | 3500 | 20000 | 2600 | 3700 | 3200 | | 0 | OWDO |
| 91 (BAC) count/100mL | T | 0 | NS | 0 | 0 | | 0 | 0 | 0 | | | Bacti |
| 92 TURBIDITY | R | 13.50 | 3.90 | 1.34 | 1.38 | 17.90 | 2.60 | 13.00 | 2.80 | | 0.01 | 1 |
| 92 (LAB) FTU | T | 0.10<T | NS | 0.66<T | 0.28<T | 0.12<T | 0.21<T | 0.30<T | 0.26<T | | FTU | FTU |
| 93 URANIUM | R | <W | <W | <W | <W | <W | <W | <W | <W | | 0.002 | .02 |
| 93 (MET) mg/L | T | <W | NS | <W | <W | <W | <W | <W | <W | | mg/L | mg/L t |
| 94 VANADIUM | R | <W | <W | <W | 0.003 | 0.002 | <W | <W | <W | | 0.001 | |
| 94 (MET) mg/L | T | <W | NS | <W | 0.002 | 0.002 | <W | <W | <W | | mg/L | |
| 95 HEXACHLOROBUTADIENE | R | 2<T | <W | <W | <W | <W | 3<T | <W | | | 1 | 4500 |
| 95 (CHA) ng/L | T | <W | NS | <W | 5<T | <W | LA | <W | | | ng/L | ng/L e |
| 96 1,1-DICHLOROETHYLENE | R | <W | <W | <W | <W | <W | <W | <W | <W | | 1 | .3 |
| 96 (VOL) ug/L | T | <W | NS | <W | <W | <W | SM | <W | <W | | ug/L | ug/L h |
| 97 T,1,2-DICHLOROETHYLENE | R | <W | <W | <W | <W | <W | <W | <W | <W | | 1 | |
| 97 (VOL) ug/L | T | <W | NS | <W | <W | SM | <W | <W | <W | | ug/L | |
| 98 1,1-DICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | | 1 | |
| 98 (VOL) ug/L | T | <W | NS | <W | <W | SM | <W | <W | <W | | ug/L | |

WALPOLE ISLAND WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 10a

| PARAMETERS | | | DATE | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------------------|---|----|--------|-------|--------|--------|--------|-------|--------|--------|--------------------|--|
| | | | JAN 27 | FEB 3 | FEB 20 | FEB 23 | MAR 12 | APR 1 | APR 15 | APR 29 | | |
| 99 CHLOROFORM | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 350 |
| 99 (VOL) ug/L | T | 14 | NS | 16 | 12 | SM | 25 | 14 | 13 | | ug/L | ug/L ++ |
| 100 DICHLOROMETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | CS | 5 | 40 |
| 100 (VOL) ug/L | T | <W | NS | <W | <W | SM | <W | <W | <W | <W | ug/L | ug/L c |
| 101 1,1,1-TRICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 1000 |
| 101 (VOL) ug/L | T | <W | NS | <W | <W | SM | <W | <W | <W | <W | ug/L | ug/L c |
| 102 1,2-DICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 10 |
| 102 (VOL) ug/L | T | <W | NS | <W | <W | SM | <W | <W | <W | <W | ug/L | ug/L h |
| 103 CARBON TETRACHLORIDE | R | <W | <W | 1 | <W | <W | <W | <W | <W | <W | 1 | 3 |
| 103 (VOL) ug/L | T | <W | NS | 2 | 2 | SM | <W | <W | <W | <W | ug/L | ug/L h |
| 104 1,2 DICHLOROPROPANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | |
| 104 (VOL) ug/L | T | <W | NS | <W | <W | SM | <W | <W | <W | <W | ug/L | |
| 105 TRICHLOROETHYLENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 30 |
| 105 (VOL) ug/L | T | <W | NS | <W | <W | SM | <W | <W | <W | <W | ug/L | ug/L h |
| 106 DICHLOROBROMOMETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 350 |
| 106 (VOL) ug/L | T | 6 | NS | 10 | 9 | SM | 11 | 11 | 7 | | ug/L | ug/L ++ |
| 107 1,1,2-TRICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 6 |
| 107 (VOL) ug/L | T | <W | NS | <W | <W | SM | <W | <W | <W | <W | ug/L | ug/L e |
| 108 CHLORODIBROMOMETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 350 |
| 108 (VOL) ug/L | T | 8 | NS | 16 | 17 | SM | 11 | 13 | 3 | | ug/L | ug/L ++ |

WALPOLE ISLAND WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 11a

| PARAMETERS | | | D A T E | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-------------------------------|---|-----|---------|-------|--------|--------|--------|-------|--------|--------|--|--|--------------------|--|
| | | | JAN 27 | FEB 3 | FEB 20 | FEB 23 | MAR 12 | APR 1 | APR 15 | APR 29 | | | | |
| 109 TETRACHLOROETHYLENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | | | 1 | 10 |
| 109 (VOL) ug/L | T | <W | NS | <W | <W | SM | <W | <W | <W | <W | | | ug/L | ug/L h |
| 110 BROMOFORM | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | | | 1 | 350 |
| 110 (VOL) ug/L | T | <W | NS | <W | <W | SM | <W | <W | <W | <W | | | ug/L | ug/L ++ |
| 111 1,1,2,2-TETRACHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | | | 1 | 1.7 |
| 111 (VOL) ug/L | T | <W | NS | <W | <W | SM | <W | <W | <W | <W | | | ug/L | ug/L e |
| 112 HEXACHLOROBENZENE | R | 2<T | <W | <W | <W | 22 | <W | <W | <W | <W | | | 1 | 10 |
| 112 (PST) ng/L | T | 3<T | NS | <W | <W | <W | LA | <W | <W | <W | | | ng/L | ng/L h |
| 113 HEXACHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | | | 1 | 19000 |
| 113 (CHA) ng/L | T | <W | NS | <W | <W | <W | LA | <W | <W | <W | | | ng/L | ng/L e |
| 114 OCTACHLOROSTYRENE | R | <W | 5<T | <W | <W | 11 | <W | <W | <W | <W | | | 1 | |
| 114 (CHA) ng/L | T | <W | NS | <W | <W | <W | LA | <W | <W | <W | | | ng/L | |
| 115 PENTACHLOROBENZENE | R | <W | <W | <W | <W | 8<T | <W | <W | <W | <W | | | 1 | 74000 |
| 115 (CHA) ng/L | T | 8<T | NS | <W | 6<T | <W | LA | <W | <W | <W | | | ng/L | ng/L e |
| 116 TOTAL TRIHALOMETHANES | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | | | 3 | 350 |
| 116 (VOL) ug/L | T | 28 | NS | 42 | 38 | SM | 47 | 38 | 23 | 23 | | | ug/L | ug/L ++ |
| 117 2,3,6-TRICHLOROTOLUENE | R | <W | <W | <W | 7<T | <W | <W | <W | <W | <W | | | 5 | |
| 117 (CHA) ng/L | T | <W | NS | <W | <W | 38<T | LA | <W | <W | <W | | | ng/L | |
| 118 2,4,5-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | | | 5 | 10000 |
| 118 (CHA) ng/L | T | <W | NS | <W | <W | <W | LA | <W | <W | <W | | | ng/L | ng/L g |
| 119 2,6,A-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | | | 5 | |
| 119 (CHA) mg/L | T | <W | NS | <W | <W | <W | LA | <W | <W | <W | | | ng/L | |

**WALPOLE ISLAND WATER TREATMENT PLANT
1986 DWSP DATA**

PAGE 12a

| PARAMETERS | | | DATE | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|--------------------------------|---|----|--------|-------|--------|--------|--------|-------|--------|--------|--------------------|--|
| | | | JAN 27 | FEB 3 | FEB 20 | FEB 23 | MAR 12 | APR 1 | APR 15 | APR 29 | | |
| 120 CHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 100-300 |
| 120 (VOL) ug/L | T | <W | NS | <W | <W | SM | <W | <W | <W | <W | ng/L | ng/L h* |
| 121 1,4-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 400 |
| 121 (VOL) ug/L | T | <W | NS | <W | <W | SM | <W | <W | <W | <W | ug/L | ug/L e |
| 122 1,3-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 400 |
| 122 (VOL) ug/L | T | <W | NS | <W | <W | SM | <W | <W | <W | <W | ug/L | ug/L e |
| 123 1,2-DICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 400 |
| 123 (VOL) ug/L | T | <W | NS | <W | <W | SM | <W | <W | <W | <W | ug/L | ug/L e |
| 124 TRIFLUOROCHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | |
| 124 (CHA) ug/L | T | <W | NS | <W | <W | SM | <W | <W | <W | <W | ug/L | |
| 125 1,2,3-TRICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 5 | 10000 |
| 125 (CHA) ng/L | T | <W | NS | <W | <W | <W | LA | <W | <W | <W | ng/L | ng/L y |
| 126 1,2,3,4-TETRACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | |
| 126 (CHA) ng/L | T | <W | NS | <W | <W | <W | LA | <W | <W | <W | ng/L | |
| 127 1,2,3,5-TETRACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | |
| 127 (CHA) ng/L | T | <W | NS | <W | <W | <W | LA | <W | <W | <W | ng/L | |
| 128 1,2,4-TRICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 5 | 15000 |
| 128 (CHA) ng/L | T | <W | NS | 25<T | <W | 39<T | LA | <W | <W | <W | ng/L | ng/L y |
| 129 1,2,4,5-TETRACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 38000 |
| 129 (CHA) ng/L | T | <W | NS | <W | <W | <W | LA | <W | <W | <W | ng/L | ng/L e |
| 130 1,3,5-TRICHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 5 | 10000 |
| 130 (CHA) ng/L | T | <W | NS | 7<T | <W | <W | LA | <W | <W | <W | ng/L | ng/L y |

PAGE 13a

[illegible]

WALPOLE ISLAND WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 14a

| PARAMETERS | | | DATE | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/GUIDELINE ¹ |
|--------------------------|---|-----|--------|-------|--------|--------|--------|-------|--------|--------|-----------------|---|
| | | | JAN 27 | FEB 3 | FEB 20 | FEB 23 | MAR 12 | APR 1 | APR 15 | APR 29 | | |
| 142 PENTACHLOROBUTADIENE | R | <W | | | | | | | | | 0.1 | |
| 142 (MS) ug/L | T | <W | | | | | | | | | ug/L | |
| 143 N-DICHLROMETHYLENE- | R | <W | | | | | | | | | 0.1 | |
| 143 PENTACHLOROANALINE | T | <W | | | | | | | | | ug/L | |
| 143 (MS) ug/L | | | | | | | | | | | | |
| 144 FLUORANTHENE | R | <W | | | | | | | | | 0.1 | |
| 144 (MS) ug/L | T | <W | | | | | | | | | ug/L | |
| 145 NAPHTHALENE | R | <W | | | | | | | | | 0.1 | |
| 145 (MS) ug/L | T | <W | | | | | | | | | ug/L | |
| 146 METHYL PHENANTHRENE | R | <W | | | | | | | | | 0.1 | |
| 146 (MS) ug/L | T | <W | | | | | | | | | ug/L | |
| 147 PYRENE | R | <W | | | | | | | | | 0.1 | |
| 147 (MS) ug/L | T | <W | | | | | | | | | ug/L | |
| 148 DIPHENYL ETHER | R | <W | | | | | | | | | 0.1 | |
| 148 (MS) ug/L | T | <W | | | | | | | | | ug/L | |
| 149 DI-N-BUTYL PHTHALATE | R | 1.2 | | | | | | | | | 0.1 | 34000 |
| 149 (MS) ug/L | T | 0.2 | | | | | | | | | ug/L | ug/L e |
| 150 CL BIPHENYL | R | <W | | | | | | | | | 0.1 | |
| 150 (MS) ug/L | T | <W | | | | | | | | | ug/L | |
| 151 ATRAZINE | R | <W | | | | | | | | | 0.1 | 46 |
| 151 (MS) ug/L | T | <W | | | | | | | | | ug/L | ug/L ! |

WALPOLE ISLAND WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 15a

| PARAMETERS | | | D A T E | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-----------------------------|------|------|---------|-------|--------|--------|--------|-------|--------|--------|--------------------|--|
| | | | JAN 27 | FEB 3 | FEB 20 | FEB 23 | MAR 12 | APR 1 | APR 15 | APR 29 | | |
| 152 BIPHENYL | | R <W | | | | | | | | | 0.1 | |
| 152 (MS) | ug/L | T <W | | | | | | | | | ug/L | |
| 153 ALIPHATIC HYDROCARBONS* | | R <W | | | | | | | | | 0.1 | |
| 153 (MS) | ug/L | T <W | | | | | | | | | ug/L | |
| 154 TRIMETHYL NAPHTHALENE** | | R <W | | | | | | | | | 0.1 | |
| 154 (MS) | ug/L | T <W | | | | | | | | | ug/L | |
| 155 DIMETHYL FLUORENE | | R <W | | | | | | | | | 0.1 | |
| 155 (MS) | ug/L | T <W | | | | | | | | | ug/L | |
| 156 BUTOXY ETHOXYETHANE | | R <W | | | | | | | | | 0.1 | |
| 156 (MS) | ug/L | T <W | | | | | | | | | ug/L | |
| 157 STYRENE | | R <W | | | | | | | | | 0.1 | |
| 157 (MS) | ug/L | T <W | | | | | | | | | ug/L | |

* - Hydrocarbon "envelope" - total concentration is number given - number in brackets is an estimation of the number of compounds in the envelope ecific Pesticides

** - Number in brackets is number of isomers present

LAB - Chemistry (LAB)

FLD - Chemistry (FIELD)

BAC - Bacteriological

MS - Mass Spec. Ana.

MET - Metal

VOL - Volatiles

PST - PCB/OC Scan. Pesticides

CHA - Chloroaromatics number

CHP - Chlorophenols

SPC - Specific Pesticides

TABLE A

WINDSOR WATER TREATMENT PLANT
1985-1986 DWSP DATA

[illegible]

PAGE 2

| PARAMETERS | | | DATE | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-------------------|-------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------------|--|
| | | | JUL 15 | AUG 16 | SEP 16 | OCT 21 | NOV 21 | DEC 2 | DEC 10 | DEC 17 | JAN 7 | | |
| 12 O-XYLENE | | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | 1 ug/L | 620 |
| 12 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | | ug/L |
| 13 CALCIUM | | R | !NR | !NR | 31.6 | 32.0 | 34.5 | 27.0 | 41.0 | 29.4 | 30.2 | 0.1 mg/L | |
| 13 (LAB) | mg/L | T | 27.5 | 27.0 | 31.6 | 32.2 | 33.8 | 30.4 | 42.0 | 31.5 | 30.8 | | |
| 14 CYANIDE | | R | <W | !NR | <W | NR | <W | <W | <W | <W | <W | 0.001 | 0.2 |
| 14 (MET) | ug/L | T | <W | <W | <W | NR | <W | <W | <W | <W | <W | mg/L | mg/L |
| 15 CADMIUM | | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | 0.0003 | 0.005 |
| 15 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | mg/L |
| 16 CHLORIDE | | R | !NR | !NR | 10.4 | 9.2 | 10.2 | 6.0 | 13.0 | 6.8 | 8.8 | 0.2 | 250 |
| 16 (LAB) | mg/L | T | 10.0 | 9.2 | 12.4 | 10.8 | 11.8 | 9.6 | 14.6 | 9.6 | 10.2 | mg/L | mg/L |
| 17 COLOUR | TCU | R | !NR | !NR | 15.0 | 27.5 | 16.0 | 12.0 | 21.0 | 5.5 | 6.0 | 0.5 | 5 |
| 17 (LAB) | | T | 0.5<T | 1<T | 2.0 | 1.0<T | .5<T | 1.0<T | <W | 2.5 | 0.5<T | TCU | TCU |
| 18 CONDUCTIVITY | | R | !NR | !NR | 255.00 | 248.00 | 265.00 | 222.00 | 310.00 | 242.00 | 242.00 | 0.01 | |
| 18 (LAB) | umho/cm | T | 222.00 | 220.00 | 255.00 | 258.00 | 269.00 | 249.00 | 322.00 | 263.00 | 246.00 | UMHO/CM | |
| 19 COBALT | | R | 0.001 | !NR | <W | 0.003 | 0.001 | 0.002 | 0.002 | <W | <W | 0.001 | |
| 19 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | |
| 20 CHROMIUM | | R | 0.004 | !NR | 0.002 | 0.006 | 0.004 | 0.003 | 0.004 | 0.001 | 0.001 | 0.001 | 0.05 |
| 20 (MET) | mg/L | T | 0.002 | 0.001 | 0.002 | 0.002 | 0.002 | 0.001 | 0.002 | 0.002 | 0.001 | mg/L | mg/L |
| 21 COPPER | | R | 0.006 | !NR | 0.008 | 0.016 | 0.007 | 0.006 | 0.007 | 0.005 | 0.005 | 0.001 | 1 |
| 21 (MET) | mg/L | T | 0.007 | 0.003 | 0.004 | 0.004 | 0.007 | 0.005 | 0.006 | 0.004 | 0.004 | mg/L | mg/L |
| 22 F. COLIFORM MF | | R | !NR | !NR | 63 | OP | >300 | 73 | TN | 109 | 87 | 0 | 0/0.1 |
| 22 (BAC) | count/100mL | T | NA | NA | NA | NA | NA | NA | NA | NA | NA | | mL |

WINDSOR WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 3

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|------------------------------|----------|---|---------|--------|--------|--------|--------|-------|--------|--------|-------|--------------------|--|------------------------------|
| | | | JUL 15 | AUG 16 | SEP 16 | OCT 21 | NOV 21 | DEC 2 | DEC 10 | DEC 17 | JAN 7 | | | JAN 14 |
| 23 IRON | | R | 0.005 | !NR | 0.230 | 2.300 | 1.100 | 0.940 | 1.400 | 0.280 | 0.050 | 0.030 | 0.002 mg/L | 0.3 mg/L |
| 23 (MET) | mg/L | T | 0.012 | 0.012 | 0.027 | 0.042 | <W | 0.013 | 0.014 | 0.042 | 0.010 | 0.003 | | |
| 24 FLUORIDE | | R | !NR | !NR | 0.10 | 0.12 | 0.12 | 0.08 | 0.11 | 0.08 | 0.12 | 0.08 | 0.01 mg/L | 2.4 mg/L |
| 24 (LAB) | mg/L | T | 1.01 | 1.09 | 1.15 | 1.12 | 0.89 | 1.07 | 0.86 | 1.05 | 1.06 | 1.11 | | |
| 25 FIELD CHLORINE (COMBINED) | | R | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 25 (FLD) | | T | 0.22 | 0.40 | 0 | 0 | 0 | 0.3 | NS | 0.80 | NS | 0.10 | | |
| 26 FIELD CHLORINE (FREE) | | R | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 26 (FLD) | | T | 1.00 | 1.20 | 1.45 | 1.20 | 0 | 1.20 | 1.00 | 0.100 | 1.00 | 0.90 | | |
| 27 FIELD CHLORINE (TOTAL) | | R | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 27 (FLD) | | T | 1.20 | 1.60 | 1.45 | 1.2 | 1.0 | 1.5 | >1.00 | 0.90 | >1.00 | 1.00 | | |
| 28 FIELD PH | | R | 7.70 | 7.82 | 7.93 | 7.85 | 7.95 | 7.38 | 7.80 | 7.80 | 7.40 | 7.40 | | |
| 28 (FLD) | | T | 7.50 | 7.50 | 7.30 | 7.00 | 7.20 | 7.30 | 7.70 | 7.50 | 7.50 | 7.30 | | |
| 29 FIELD TEMPERATURE (°C) | | R | 22.3 | 23.0 | 20.0 | 15.3 | 10.0 | 5.0 | 4.0 | 1.0 | 0.5 | 0.5 | | |
| 29 (FLD) | | T | 22.0 | 23.0 | 20.0 | 15.5 | 10.0 | 4.0 | 5.0 | 2.0 | 1.0 | 1.0 | | |
| 30 FIELD TURBIDITY | | R | 9.00 | 8.00 | 11.0 | 54.0 | 36.0 | 30.0 | 49.00 | 17.00 | 2.00 | 1.30 | | 1 FTU |
| 30 (FLD) | (NTU) | T | 0.66 | 0.77 | 0.67 | 0.49 | 0.74 | 0.61 | 0.58 | 1.40 | 0.57 | 0.40 | | |
| 31 HARDNESS | | R | !NR | !NR | 111.8 | 113.0 | 120.0 | 97.7 | 142.0 | 105.0 | 108.0 | 103.7 | 0.5 mg/L | |
| 31 (LAB) | mg/L | T | 98.3 | 97.1 | 111.6 | 118.0 | 119.0 | 108.0 | 144.0 | 112.0 | 110.0 | 105.8 | | |
| 32 STANDARD PLATE COUNT MF | | R | !NR | NR | >2400 | >2400 | >2400 | 282 | AW | 250 | 125 | 160 | 0 | 500 orga- nisms per mL |
| 32 (BAC) | count/mL | T | !NR | NR | 27 | 8 | 0 | 2 | AW | 0 | 4 | 0 | | |
| 33 MERCURY | | R | <W | !NR | 0.01 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 ug/L | 1 ug/L |
| 33 (MET) | ug/L | T | 0.01 | 0.03 | 0.01 | 0.02 | 0.01 | 0.01 | 0.02 | <W | <W | 0.01 | | |

WINDSOR WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 4

[illegible]

PAGE 5

| PARAMETERS | | DATE | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/GUIDELINE ¹ |
|-----------------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|-----------------|---|
| | | JUL 15 | AUG 16 | SEP 16 | OCT 21 | NOV 21 | DEC 2 | DEC 10 | DEC 17 | JAN 7 | JAN 14 | | |
| 45 PH | R | !NR | !NR | 7.08 | 8.22 | 8.30 | 8.11 | 8.17 | 7.99 | 8.08 | 8.12 | | |
| 45 (LAB) | T | 7.49 | 8.25 | 7.38 | 7.02 | 7.61 | 7.39 | 7.32 | 7.32 | 7.62 | 7.59 | | |
| 46 PHOSPHATES FRAC REACTIVE | R | !NR | !NR | <W | <W | NR | <W | <W | <W | <W | <W | 0.01 | |
| 46 (LAB) mg/L | T | <W | <W | <W | <W | NR | <W | <W | <W | <W | 0.011 | mg/L | |
| 47 PHOSPHORUS TOTAL | R | !NR | !NR | 0.04T | 0.08<T | NR | 0.04<T | 0.06<T | 0.04<T | <W | <W | 0.01 | |
| 47 (LAB) mg/L | T | <W | <W | 0.02<T | <W | NR | <W | <W | 0.02<T | <W | 0.02 | mg/L | |
| 48 ALDRIN | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | NSS | 1 | 700 |
| 48 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L ** |
| 49 ALPHA BHC | R | <W | !NR | <W | 3<T | 2<T | 2<T | 3<T | 3<T | 3<T | NSS | 1 | 700 |
| 49 (PST) ng/L | T | <W | <W | <W | 3<T | 5<T | 4<T | 4<T | 3<T | 4<T | 4<T | ng/L | ng/L c |
| 50 BETA BHC | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | NSS | 1 | 300 |
| 50 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L c |
| 51 LINDANE | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | NSS | 1 | 4000 |
| 51 (PST) ng/L | T | <W | <W | <W | <W | 2<T | 2<T | 2<T | <W | <W | <W | ng/L | ng/L . |
| 52 ALPHA CHLORDANE | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | NSS | 2 | 700 |
| 52 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L *** |
| 53 GAMMA CHLORDANE | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | NSS | 2 | 700 |
| 53 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L *** |
| 54 DIELDRIN | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | NSS | 2 | 700 |
| 54 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L ** |
| 55 METHOXYCHLOR | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | NSS | 5 | 100000 |
| 55 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L |

PAGE 6

[illegible]

PAGE 7

[illegible]

PAGE 8

| PARAMETERS | | | DATE | | | | | | | | | DET. LIMIT | DRINKING WATER OBJ. GUIDELINE ¹ | |
|-------------------------|------|---|--------|--------|--------|--------|--------|-------|--------|--------|-------|------------|--|--------|
| | | | JUL 15 | AUG 16 | SEP 16 | OCT 21 | NOV 21 | DEC 2 | DEC 10 | DEC 17 | JAN 7 | | | JAN 14 |
| 78 SENCOR | | R | + | + | + | <W | + | + | + | + | + | + | 100 | |
| 78 (SPC) | ng/L | T | + | + | + | <W | + | + | + | + | + | + | ng/L | |
| 79 SIMAZINE | | R | + | + | + | <W | + | + | + | + | + | + | 50 | 10000 |
| 79 (SPC) | ng/L | T | + | + | + | <W | + | + | + | + | + | + | ng/L | ng/L |
| 80 DICAMBA | | R | + | + | + | <W | + | + | + | + | + | + | 100 | 87000 |
| 80 (SPC) | ng/L | T | + | + | + | <W | + | + | + | + | + | + | ng/L | ng/L |
| 81 PICLORAM | | R | + | + | + | <W | + | + | + | + | + | + | 100 | |
| 81 (SPC) | ng/L | T | + | + | + | <W | + | + | + | + | + | + | ng/L | |
| 82 SILVEX | | R | + | + | + | <W | + | + | + | + | + | + | 50 | 10000 |
| 82 (SPC) | ng/L | T | + | + | + | <W | + | + | + | + | + | + | ng/L | ng/L |
| 83 2,4-D | | R | + | + | + | <W | + | + | + | + | + | + | 100 | 100000 |
| 83 (SPC) | ng/L | T | + | + | + | <W | + | + | + | + | + | + | ng/L | ng/L |
| 84 2,4-D BUTYRIC ACID | | R | + | + | + | <W | + | + | + | + | + | + | 200 | 18000 |
| 84 (SPC) | ng/L | T | + | + | + | <W | + | + | + | + | + | + | ng/L | ng/L |
| 85 2,4-D PROPIONIC ACID | | R | + | + | + | <W | + | + | + | + | + | + | 100 | |
| 85 (SPC) | ng/L | T | + | + | + | <W | + | + | + | + | + | + | ng/L | |
| 86 2,4,5-T | | R | + | + | + | <W | + | + | + | + | + | + | 50 | |
| 86 (SPC) | ng/L | T | + | + | + | <W | + | + | + | + | + | + | ng/L | |
| 87 TOTAL SOLIDS | | R | !NR | !NR | 166 | 234 | 196 | 172 | 220 | 145 | 157 | 150 | 1 | |
| 87 (LAB) | mg/L | T | 144 | 160 | 166 | 168 | 174 | 162 | 209 | 171 | 160 | 156 | mg/L | |
| 88 SELENIUM | | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | <W | 0.001 | 0.01 |
| 88 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | mg/L |

**WINDSOR WATER TREATMENT PLANT
1985-1986 DWSP DATA**

PAGE 9

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|---------------------------------|---|--------|---------|--------|---------|---------|--------|---------|--------|--------|--------|--------------------|--|----------------|
| | | | JUL 15 | AUG 16 | SEP 16 | OCT 21 | NOV 21 | DEC 2 | DEC 10 | DEC 17 | JAN 7 | | | JAN 14 |
| 89 STRONTIUM | R | 0.200 | !NR | 0.130 | 0.120 | 0.120 | 0.110 | 0.140 | 0.087 | 0.097 | 0.100 | 0.001 | mg/L | |
| 89 (MET) mg/L | T | 0.100 | 0.087 | 0.130 | 0.120 | 0.120 | 0.110 | 0.130 | 0.096 | 0.100 | 0.097 | | | |
| 90 TOTAL COLIFORM MF | R | !NR | !NR | 700A3C | 2100A3C | 4300A3C | 1100 | 2000A3C | 3800 | 700 | 1100 | 0 | 0 | ODWO Bacti |
| 90 (BAC) count/100mL | T | 0 | !NR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 91 TOTAL COLIFORM BACKGROUND MF | R | !NR | !NR | 120000 | 40000 | 29000 | 1400 | 33000 | 5500 | 1100 | 2200 | 0 | 0 | OWDO Bacti |
| 91 (BAC) count/100mL | T | 0 | !NR | 7 | 0 | 0 | 0 | 2 | 0 | 0 | 3 | | | |
| 92 TURBIDITY | R | !NR | NR | 12.40 | 78.00 | 37.00 | 36.00 | 48.00 | 13.20 | 2.20 | 1.44 | 0.01 | FTU | 1 FTU |
| 92 (LAB) FTU | T | 0.69<T | 0.71<T | 1.35 | 1.68 | 0.58<T | 0.43<T | 0.45<T | 1.86 | 0.44<T | 0.30<T | | | |
| 93 URANIUM | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | <W | 0.002 | mg/L | .02 mg/L t |
| 93 (MET) mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | | | |
| 94 VANADIUM | R | 0.001 | !NR | <W | 0.003 | 0.001 | 0.002 | 0.002 | <W | <W | <W | 0.001 | mg/L | |
| 94 (MET) mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | | | |
| 95 HEXACHLOROBUTADIENE | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | NSS | 1 | ng/L | 4500 ng/L e |
| 95 (CHA) ng/L | T | <W | <W | <W | <W | 4<T | <W | 4<T | <W | <W | <W | | | |
| 96 1,1-DICHLOROETHYLENE | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | <W | 1 | ug/L | .3 ug/L h |
| 96 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | | | |
| 97 T,1,2-DICHLOROETHYLENE | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | <W | 1 | ug/L | |
| 97 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | | | |
| 98 1,1-DICHLOROETHANE | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | <W | 1 | ug/L | |
| 98 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | | | |

WINDSOR WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 10

| PARAMETERS | | | DATE | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|---------------------------|---|------|--------|--------|--------|--------|--------|-------|--------|--------|-------|--------------------|--|--------|
| | | | JUL 15 | AUG 16 | SEP 16 | OCT 21 | NOV 21 | DEC 2 | DEC 10 | DEC 17 | JAN 7 | | | JAN 14 |
| 99 CHLOROFORM | R | 48CS | !NR | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 350 | ++ |
| 99 (VOL) ug/L | T | 39 | 53 | 66 | 43 | 62 | 38 | 47 | 21 | 27 | 18 | ug/L | ug/L | |
| 100 DICHLOROMETHANE | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | <W | 5 | 40 | c |
| 100 (VOL) ug/L | T | CS | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L | |
| 101 1,1,1-TRICHLOROETHANE | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 1000 | c |
| 101 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L | |
| 102 1,2-DICHLOROETHANE | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 10 | h |
| 102 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L | |
| 103 CARBON TETRACHLORIDE | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 3 | h |
| 103 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 1 | ug/L | ug/L | |
| 104 1,2 DICHLOROPROPANE | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | <W | 1 | | |
| 104 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | | |
| 105 TRICHLOROETHYLENE | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 30 | h |
| 105 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L | |
| 106 DICHLOROBROMOMETHANE | R | 22CS | !NR | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 350 | ++ |
| 106 (VOL) ug/L | T | 15 | 16 | 17 | 14 | 14 | 12 | 14 | 12 | 12 | 10 | ug/L | ug/L | |
| 107 1,1,2-TRICHLOROETHANE | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 6 | e |
| 107 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L | |
| 108 CHLORODIBROMOMETHANE | R | 20CS | !NR | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 350 | ++ |
| 108 (VOL) ug/L | T | 14 | 12 | 9 | 6 | 5 | 7 | 6 | 9 | 10 | 8 | ug/L | ug/L | |

PAGE 11

| PARAMETERS | | | DATE | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|-------------------------------|---|------|--------|--------|--------|--------|--------|-------|--------|--------|-------|--------------------|--|--------|
| | | | JUL 15 | AUG 16 | SEP 16 | OCT 21 | NOV 21 | DEC 2 | DEC 10 | DEC 17 | JAN 7 | | | JAN 14 |
| 109 TETRACHLOROETHYLENE | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 10 | |
| 109 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L | h |
| 110 BROMOFORM | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 350 | |
| 110 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L | ++ |
| 111 1,1,2,2-TETRACHLOROETHANE | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 1.7 | |
| 111 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L | e |
| 112 HEXACHLOROBENZENE | R | <W | !NR | <W | 2<T | <W | 3<T | <W | <W | <W | NSS | 1 | 10 | |
| 112 (PST) ng/L | T | <W | <W | <W | <W | 3<T | <W | <W | <W | <W | <W | ng/L | ng/L | h |
| 113 HEXACHLOROETHANE | R | <W | !NR | <W | <W | 5<T | <W | <W | <W | <W | NSS | 1 | 19000 | |
| 113 (CHA) ng/L | T | <W | <W | <W | <W | 9<T | <W | <W | <W | <W | <W | ng/L | ng/L | e |
| 114 OCTACHLOROSTYRENE | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | NSS | 1 | | |
| 114 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | | |
| 115 PENTACHLOROBENZENE | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | NSS | 1 | 74000 | |
| 115 (CHA) ng/L | T | 10 | <W | <W | <W | 6<T | <W | <W | 2<T | <W | <W | ng/L | ng/L | e |
| 116 TOTAL TRIHALOMETHANES | R | 90CS | !NR | <W | <W | <W | <W | <W | <W | <W | <W | 3 | 350 | |
| 116 (VOL) ug/L | T | 68 | 81 | 92 | 63 | 81 | 57 | 67 | 42 | 49 | 36 | ug/L | ug/L | ++ |
| 117 2,3,6-TRICHLOROTOLUENE | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | NSS | 5 | | |
| 117 (CHA) ng/L | T | <W | <W | <W | 12<T | CS | 46<T | <W | <W | <W | <W | ng/L | | |
| 118 2,4,5-TRICHLOROTOLUENE | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | NSS | 5 | 10000 | |
| 118 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L | g |
| 119 2,6,A-TRICHLOROTOLUENE | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | NSS | 5 | | |
| 119 (CHA) ng/L | T | <W | 4<T | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | | |

WINDSOR WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 12

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|--------------------------------|---|----|---------|--------|--------|--------|--------|-------|--------|--------|-------|--------------------|--|
| | | | JUL 15 | AUG 16 | SEP 16 | OCT 21 | NOV 21 | DEC 2 | DEC 10 | DEC 17 | JAN 7 | JAN 14 | |
| 120 CHLOROBENZENE | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 100-300 |
| 120 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L h* |
| 121 1,4-DICHLOROBENZENE | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 400 |
| 121 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L e |
| 122 1,3-DICHLOROBENZENE | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 400 |
| 122 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L e |
| 123 1,2-DICHLOROBENZENE | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 400 |
| 123 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L e |
| 124 TRIFLUOROCHLOROTOLUENE | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | <W | 1 | |
| 124 (CHA) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | |
| 125 1,2,3-TRICHLOROBENZENE | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | NSS | 5 | 10000 |
| 125 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | 22<T | <W | <W | <W | ng/L | ng/L y |
| 126 1,2,3,4-TETRACHLOROBENZENE | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | NSS | 1 | |
| 126 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | |
| 127 1,2,3,5-TETRACHLOROBENZENE | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | NSS | 1 | |
| 127 (CHA) ng/L | T | <W | <5 | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | |
| 128 1,2,4-TRICHLOROBENZENE | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | NSS | 5 | 15000 |
| 128 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L y |
| 129 1,2,4,5-TETRACHLOROBENZENE | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | NSS | 1 | 38000 |
| 129 (CHA) ng/L | T | <W | <W | <W | <W | 35 | <W | 22 | <W | <W | <W | ng/L | ng/L e |
| 130 1,3,5-TRICHLOROBENZENE | R | <W | !NR | <W | <W | <W | <W | <W | <W | <W | NSS | 5 | 10000 |
| 130 (CHA) ng/L | T | <W | <W | <W | <W | <W | 16<T | <W | <W | <W | <W | ng/L | ng/L y |

WINDSOR WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 13

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-------------------------------|---|-------|---------|--------|--------|--------|--------|-------|--------|--------|-------|--------------------|--|
| | | | JUL 15 | AUG 16 | SEP 16 | OCT 21 | NOV 21 | DEC 2 | DEC 10 | DEC 17 | JAN 7 | JAN 14 | |
| 131 PENTACHLOROPHENOL | R | + | + | + | <W | + | + | + | + | + | + | 50 | 10000 ng/L h |
| 131 (CHP) ng/L | T | + | + | + | <W | + | + | + | + | + | + | ng/L | |
| 132 2,3,4-TRICHLOROPHENOL | R | + | + | + | <W | + | + | + | + | + | + | 100 | ng/L |
| 132 (CHP) ng/L | T | + | + | + | <W | + | + | + | + | + | + | ng/L | |
| 133 2,3,4,5-TETRACHLOROPHENOL | R | + | + | + | <W | + | + | + | + | + | + | 50 | ng/L |
| 133 (CHP) ng/L | T | + | + | + | <W | + | + | + | + | + | + | ng/L | |
| 134 2,3,5,6-TETRACHLOROPHENOL | R | + | + | + | <W | + | + | + | + | + | + | 50 | ng/L |
| 134 (CHP) ng/L | T | + | + | + | <W | + | + | + | + | + | + | ng/L | |
| 135 2,4,5-TRICHLOROPHENOL | R | + | + | + | <W | + | + | + | + | + | + | 50 | ng/L |
| 135 (CHP) ng/L | T | + | + | + | <W | + | + | + | + | + | + | ng/L | |
| 136 2,4,6-TRICHLOROPHENOL | R | + | + | + | <W | + | + | + | + | + | + | 50 | 10000 ng/L h |
| 136 (CHP) ng/L | T | + | + | + | <W | + | + | + | + | + | + | ng/L | |
| 137 ZINC | R | 0.003 | NR | 0.004 | 0.017 | 0.012 | 0.010 | 0.011 | 0.006 | 0.002 | 0.004 | 0.001 | 5 mg/L h |
| 137 (MET) mg/L | T | 0.002 | <W | 0.004 | 0.003 | 0.003 | 0.002 | 0.002 | 0.003 | 0.002 | 0.006 | mg/L | |
| 138 PENTACHLOROPROPANE | R | NS | NS | NS | NS | NS | NS | <W | <W | <W | <W | 0.1 | ug/L |
| 138 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | <W | <W | <W | <W | ug/L | |
| 139 PENTACHLOROPROPENE | R | NS | NS | NS | NS | NS | NS | <W | <W | <W | <W | 0.1 | ug/L |
| 139 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | <W | <W | <W | <W | ug/L | |
| 140 HEXACHLOROPROPENE | R | NS | NS | NS | NS | NS | NS | <W | <W | <W | <W | 0.1 | ug/L |
| 140 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | <W | <W | <W | <W | ug/L | |
| 141 TETRACHLOROBUTANE | R | NS | NS | NS | NS | NS | NS | <W | <W | <W | <W | 0.1 | ug/L |
| 141 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | <W | <W | <W | <W | ug/L | |

WINDSOR WATER TREATMENT PLANT
1985-1986 DWSP DATA

PAGE 14

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|--------------------------|---|----|---------|--------|--------|--------|--------|-------|--------|--------|-------|--------------------|--|
| | | | JUL 15 | AUG 16 | SEP 16 | OCT 21 | NOV 21 | DEC 2 | DEC 10 | DEC 17 | JAN 7 | | |
| 142 PENTACHLOROBUTADIENE | R | NS | NS | NS | NS | NS | NS | <W | <W | <W | <W | 0.1 | |
| 142 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | <W | <W | <W | <W | ug/L | |
| 143 N-DICHLOROMETHYLENE- | R | NS | NS | NS | NS | NS | NS | <W | <W | <W | <W | 0.1 | |
| 143 PENTACHLOROANALINE | T | NS | NS | NS | NS | NS | NS | <W | <W | <W | <W | ug/L | |
| 143 (MS) ug/L | | | | | | | | | | | | | |
| 144 FLUORANTHENE | R | NS | NS | NS | NS | NS | NS | <W | <W | <W | <W | 0.1 | |
| 144 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | <W | <W | <W | <W | ug/L | |
| 145 NAPHTHALENE | R | NS | NS | NS | NS | NS | NS | <W | <W | X<T | <W | 0.1 | |
| 145 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | <W | <W | <W | <W | ug/L | |
| 146 METHYL PHENANTHRENE | R | NS | NS | NS | NS | NS | NS | <W | <W | <W | <W | 0.1 | |
| 146 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | <W | <W | <W | <W | ug/L | |
| 147 PYRENE | R | NS | NS | NS | NS | NS | NS | <W | <W | <W | <W | 0.1 | |
| 147 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | <W | <W | <W | <W | ug/L | |
| 148 DIPHENYL ETHER | R | NS | NS | NS | NS | NS | NS | 0.8 | <W | <W | <W | 0.1 | |
| 148 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | <W | <W | <W | <W | ug/L | |
| 149 DI-N-BUTYL PHTHALATE | R | NS | NS | NS | NS | NS | NS | <W | 0.6 | 0.9 | X<T | 0.1 | 34000 |
| 149 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | <W | 1.8 | 0.5 | 1.1 | ug/L | ug/L |
| 150 CL BIPHENYL | R | NS | NS | NS | NS | NS | NS | <W | <W | <W | <W | 0.1 | |
| 150 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | <W | <W | <W | <W | ug/L | |
| 151 ATRAZINE | R | NS | NS | NS | NS | NS | NS | X<T | <W | <W | <W | 0.1 | 46 |
| 151 (MS) ug/L | T | NS | NS | NS | NS | NS | NS | X<T | <W | <W | <W | ug/L | ug/L |

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**WINDSOR WATER TREATMENT PLANT
1985-1986 DWSP DATA**

PAGE 15

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|-----------------------------|------|---|---------|--------|--------|--------|--------|-------|--------|--------|-------|--------------------|--|--------|
| | | | JUL 15 | AUG 16 | SEP 16 | OCT 21 | NOV 21 | DEC 2 | DEC 10 | DEC 17 | JAN 7 | | | JAN 14 |
| 152 BIPHENYL | | R | NS | NS | NS | NS | NS | NS | 0.2 | <W | <W | <W | 0.1 | |
| 152 (MS) | ug/L | T | NS | NS | NS | NS | NS | NS | <W | <W | <W | <W | ug/L | |
| 153 ALIPHATIC HYDROCARBONS* | | R | NS | NS | NS | NS | NS | NS | <W | <W | <W | <W | 0.1 | |
| 153 (MS) | ug/L | T | NS | NS | NS | NS | NS | NS | <W | <W | <W | <W | ug/L | |
| 154 TRIMETHYL NAPHTHALENE** | | R | NS | NS | NS | NS | NS | NS | <W | <W | <W | <W | 0.1 | |
| 154 (MS) | ug/L | T | NS | NS | NS | NS | NS | NS | <W | <W | <W | <W | ug/L | |
| 155 DIMETHYL FLUORENE | | R | NS | NS | NS | NS | NS | NS | <W | <W | <W | <W | 0.1 | |
| 155 (MS) | ug/L | T | NS | NS | NS | NS | NS | NS | <W | <W | <W | <W | ug/L | |
| 156 BUTOXY ETHOXYETHANE | | R | NS | NS | NS | NS | NS | NS | <W | <W | <W | <W | 0.1 | |
| 156 (MS) | ug/L | T | NS | NS | NS | NS | NS | NS | <W | 0.9 | <W | <W | ug/L | |
| 157 STYRENE | | R | NS | NS | NS | NS | NS | NS | <W | <W | <W | <W | 0.1 | |
| 157 (MS) | ug/L | T | NS | NS | NS | NS | NS | NS | <W | <W | <W | <W | ug/L | |

* - Hydrocarbon "envelope" - total concentration is number given - number in brackets is an estimation of the number of compounds in the envelope

** - Number in brackets is number of isomers present al

LAB - Chemistry (LAB)

FLD - Chemistry (FIELD)

BAC - Bacteriological

MS - Mass Spec. Ana.

MET - Metal

VOL - Volatiles

PST - PCB/OC Scan. Pesticides

CHA - Chloroaromatics

CHA - Chloroaromatics

CHP - Chlorophenols cides

SPC - Specific Pesticides

TABLE A

WINDSOR WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 1a

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|----------------|------|---|---------|--------|-------|--------|--------|--------|--------|-------|--------|--------------------|--|--------|
| | | | JAN 21 | JAN 28 | FEB 4 | FEB 12 | FEB 19 | FEB 26 | MAR 12 | APR 2 | APR 16 | | | APR 30 |
| 1 ALKALINITY | | R | 85.2 | 86.0 | 90.0 | 91.6 | 95.8 | 92.4 | 85.8 | 86.3 | | | 0.2 | |
| 1 (LAB) | mg/L | T | 78.2 | 80.6 | 84.4 | 83.8 | 87.2 | 88.2 | 83.4 | 78.5 | | | mg/L | |
| 2 ALUMINUM | | R | 0.035 | 0.057 | 0.027 | 0.110 | 0.110 | 0.061 | 0.190 | 0.260 | 1.600 | 0.280 | 0.003 | |
| 2 (MET) | mg/L | T | 0.083 | 0.110 | 0.100 | 0.100 | 0.180 | 0.150 | 0.150 | 0.130 | 0.094 | 0.180 | mg/L | |
| 3 ARSENIC | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 0.001 | 0.05 |
| 3 (MET) | mg/L | T | 0.001 | <W | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | mg/L |
| 4 BARIUM | | R | 0.012 | 0.011 | 0.014 | 0.013 | 0.014 | 0.013 | 0.013 | 0.012 | 0.026 | 0.015 | 0.001 | 1 |
| 4 (MET) | mg/L | T | 0.010 | 0.012 | 0.013 | 0.012 | 0.013 | 0.013 | 0.013 | 0.012 | 0.015 | 0.013 | mg/L | mg/L |
| 5 BORON | | R | <W | 0.02 | <W | 0.08 | <W | 0.02 | <W | <W | <W | <W | 0.02 | 5 |
| 5 (MET) | mg/L | T | 0.02 | <W | 0.03 | <W | <W | <W | 0.05 | <W | <W | SM | mg/L | mg/L |
| 6 BERYLLIUM | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 0.001 | |
| 6 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | |
| 7 BENZENE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 10 |
| 7 (VOL) | ug/L | T | 1 | <W | <W | 1 | 2 | 1 | <W | <W | <W | <W | ug/L | ug/L |
| 8 TOLUENE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 100 |
| 8 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L |
| 9 ETHYLBENZENE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 1400 |
| 9 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L |
| 10 P-XYLENE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 620 |
| 10 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L |
| 11 M-XYLENE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 620 |
| 11 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L |

PAGE 2a

| PARAMETERS | | | DATE | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/GUIDELINE ¹ |
|-------------------|-------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------------|---|
| | | | JAN 21 | JAN 28 | FEB 4 | FEB 12 | FEB 19 | FEB 26 | MAR 12 | APR 2 | APR 16 | | |
| 12 O-XYLENE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 ug/L | 620 |
| 12 (VOL) | ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | | ug/L |
| 13 CALCIUM | | R | 28.5 | 29.5 | 31.5 | 33.0 | 35.5 | 33.2 | 28.5 | 28.4 | | 0.1 mg/L | |
| 13 (LAB) | mg/L | T | 28.0 | 29.8 | 31.0 | 31.5 | 35.5 | 33.7 | 33.0 | 32.3 | | | |
| 14 CYANIDE | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 0.001 | 0.2 |
| 14 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | mg/L |
| 15 CADMIUM | | R | <W | <W | <W | <W | <W | <W | <W | 0.0004 | <W | 0.0003 | 0.005 |
| 15 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | mg/L |
| 16 CHLORIDE | | R | 8.8 | 8.8 | 10.6 | 11.2 | 14.4 | 12.8 | 9.9 | 8.8 | | 0.2 | 250 |
| 16 (LAB) | mg/L | T | 10.6 | 10.4 | 13.4 | 12.6 | 16.0 | 14.6 | 15.5 | 12.4 | | mg/L | mg/L |
| 17 COLOUR | TCU | R | 4.5 | 5.5 | 5.0 | 10.0 | 11.5 | 7.5 | 11.0 | 7.5 | | 0.5 | 5 |
| 17 (LAB) | | T | 1.0<T | 0.5<T | 1.5<T | 1.0<T | 2.0 | 2.0 | 1.0<T | 1.0<T | | TCU | TCU |
| 18 CONDUCTIVITY | | R | 235.00 | 239.00 | 255.00 | 259.00 | 286.00 | 269.00 | 235.00 | 231.00 | | 0.01 | |
| 18 (LAB) | umho/cm | T | 238.00 | 244.00 | 265.00 | 262.00 | 289.00 | 276.00 | 272.00 | 260.00 | | UMHO/CM | |
| 19 COBALT | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 0.001 | |
| 19 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | |
| 20 CHROMIUM | | R | 0.001 | 0.001 | 0.001 | 0.002 | 0.002 | 0.001 | 0.002 | 0.003 | 0.007 | 0.001 | 0.05 |
| 20 (MET) | mg/L | T | 0.001 | 0.002 | <W | 0.001 | 0.002 | 0.002 | 0.001 | 0.002 | <W | mg/L | mg/L |
| 21 COPPER | | R | 0.008 | 0.012 | 0.007 | 0.011 | 0.009 | 0.009 | 0.020 | 0.140 | 0.420 | 0.001 | 1 |
| 21 (MET) | mg/L | T | 0.003 | 0.004 | 0.004 | 0.006 | 0.004 | 0.004 | 0.005 | 0.004 | 0.004 | mg/L | mg/L |
| 22 F. COLIFORM MF | | R | 87 | 46 | 87 | 136 | TN | 116 | 194 | 56 | 42 | 0 | 0/0.1 |
| 22 (BAC) | count/100mL | T | NA | NA | NA | NA | NA | NA | NA | NA | NA | | mL |

**WINDSOR WATER TREATMENT PLANT
1986 DWSP DATA**

PAGE 3a

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|------------------------------|----------|---|---------|--------|-------|--------|--------|--------|--------|-------|--------|--------------------|--|------------------------------|
| | | | JAN 21 | JAN 28 | FEB 4 | FEB 12 | FEB 19 | FEB 26 | MAR 12 | APR 2 | APR 16 | | | APR 30 |
| 23 IRON | | R | 0.030 | 0.049 | 0.025 | 0.089 | 0.091 | 0.042 | 0.200 | 0.480 | 3.000 | 0.420 | 0.002 mg/L | 0.3 mg/L |
| 23 (MET) | mg/L | T | 0.009 | 0.009 | 0.022 | 0.016 | 0.021 | 0.012 | 0.035 | 0.015 | 0.014 | 0.010 | | |
| 24 FLUORIDE | | R | 0.10 | 0.12 | 0.12 | 0.13 | 0.10 | 0.10 | 0.09 | 0.11 | | | 0.01 mg/L | 2.4 mg/L |
| 24 (LAB) | mg/L | T | 1.17 | 1.19 | 1.20 | 1.23 | 1.19 | 0.53 | 0.99 | 1.21 | | | | |
| 25 FIELD CHLORINE (COMBINED) | | R | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 25 (FLD) | | T | 0.20 | 0.20 | 0.10 | 0.10 | 0.20 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 26 FIELD CHLORINE (FREE) | | R | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 26 (FLD) | | T | 0.80 | 0.80 | 0.90 | 0.90 | 0.80 | 0.80 | 0.98 | 1.01 | 1.00 | 1.20 | | |
| 27 FIELD CHLORINE (TOTAL) | | R | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 27 (FLD) | | T | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.98 | 1.01 | 1.00 | 1.20 | | |
| 28 FIELD PH | | R | 7.60 | 7.60 | 7.60 | 7.90 | 7.60 | 7.90 | 7.90 | 8.00 | 8.20 | 7.00 | | |
| 28 (FLD) | | T | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.45 | 7.40 | 7.50 | | |
| 29 FIELD TEMPERATURE | | R | 2.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 4.0 | 7.0 | 12.5 | | |
| 29 (FLD) | | T | 1.0 | 1.0 | 1.0 | 2.0 | 4.0 | 3.0 | 1.5 | 6.0 | 7.0 | 10.0 | | |
| 30 FIELD TURBIDITY | | R | 2.30 | 2.80 | 1.70 | 5.00 | 4.40 | 2.60 | 10.60 | 11.00 | 30.00 | 14.00 | | 1 FTU |
| 30 (FLD) | | T | 0.54 | 0.40 | 0.50 | 0.55 | 0.70 | 0.60 | 0.65 | 0.88 | 0.41 | 0.67 | | |
| 31 HARDNESS | | R | 103.3 | 107.0 | 112.0 | 117.0 | 125.0 | 117.0 | 103.0 | 101.5 | | | 0.5 mg/L | |
| 31 (LAB) | mg/L | T | 101.6 | 106.0 | 111.0 | 113.0 | 125.0 | 119.0 | 117.0 | 112.0 | | | | |
| 32 STANDARD PLATE COUNT MF | | R | 189 | 420 | 270 | 720 | 520 | AW | LA | >2400 | 560 | >2400 | 0 | 500 orga- nisms per mL |
| 32 (BAC) | count/mL | T | 2 | 2 | 2 | AW | AW | AW | 6 | AW | AW | AW | | |
| 33 MERCURY | | R | <W | <W | <W | <W | <W | <W | <W | 0.01 | 0.06 | 0.01 | 0.01 ug/L | 1 ug/L |
| 33 (MET) | ug/L | T | <W | <W | <W | 0.01 | 0.01 | <W | 0.03 | <W | <W | UPR | | |

WINDSOR WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 4a

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|----------------------------|------|---|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------------------|--|
| | | | JAN 21 | JAN 28 | FEB 4 | FEB 12 | FEB 19 | FEB 26 | MAR 12 | APR 2 | APR 16 | APR 30 | |
| 34 MAGNESIUM | | R | 7.80 | 8.00 | 8.10 | 8.50 | 8.80 | 8.35 | 7.70 | 7.45 | | | 0.05 mg/L |
| 34 (LAB) | mg/L | T | 7.70 | 7.80 | 8.20 | 8.50 | 8.80 | 8.40 | 8.30 | 7.65 | | | |
| 35 MANGANESE | | R | 0.002 | 0.002 | 0.003 | 0.003 | 0.003 | 0.003 | 0.006 | 0.007 | 0.044 | 0.007 | 0.001 mg/L |
| 35 (MET) | mg/L | T | 0.001 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | <W | 0.001 | |
| 36 MOLYBDENUM | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 0.001 mg/L |
| 36 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | |
| 37 SODIUM | | R | 6.0 | 6.5 | 6.5 | 7.5 | 9.0 | 8.0 | 6.2 | 5.3 | | | 0.1 mg/L |
| 37 (LAB) | mg/L | T | 5.5 | 6.0 | 7.5 | 7.0 | 9.0 | 8.0 | 7.5 | 5.8 | | | |
| 38 NICKEL | | R | <W | <W | <W | <W | 0.002 | <W | 0.002 | 0.003 | 0.006 | 0.003 | 0.002 mg/L |
| 38 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | 0.002 | 0.002 | 0.002 | |
| 39 AMMONIUM TOTAL | | R | <W | <W | <W | <W | <W | <W | <W | <W | | | 0.05 mg/L |
| 39 (LAB) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | | | |
| 40 NITRITE | | R | 0.0055 | 0.0070 | <W | 0.0065 | 0.0055 | 0.0055 | 0.0075 | 0.0125 | | | 0.005 mg/L |
| 40 (LAB) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | | | |
| 41 NITRATE | | R | 0.435 | 0.465 | 0.590 | 0.715 | 1.040 | 0.880 | 0.520 | 0.550 | | | 0.05 mg/L |
| 41 (LAB) | mg/L | T | 0.405 | 0.480 | 0.605 | 0.670 | 1.120 | 0.930 | 0.905 | 1.060 | | | |
| 42 NITROGEN TOTAL KJELDAHL | | R | 0.160 | 0.150 | 0.180 | 0.180 | 0.300 | 0.210 | 0.200 | 0.230 | | | 0.1 mg/L |
| 42 (LAB) | mg/L | T | 0.110 | 0.110 | 0.160 | 0.120 | 0.180 | 0.160 | 0.120 | 0.200 | | | |
| 43 PRESENCE/ABSENCE | | R | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0 |
| 43 (BAC) | | T | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | ABSENT | |
| 44 LEAD | | R | <W | 0.021 | <W | <W | 0.003 | <W | 0.005 | 0.056 | 0.078 | 0.036 | 0.003 mg/L |
| 44 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | |

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**WINDSOR WATER TREATMENT PLANT
1986 DWSP DATA**

PAGE 5a

| PARAMETERS | | D A T E | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------------------------|---|---------|--------|-------|--------|--------|--------|--------|-------|--------|--------|--------------------|--|
| | | JAN 21 | JAN 28 | FEB 4 | FEB 12 | FEB 19 | FEB 26 | MAR 12 | APR 2 | APR 16 | APR 30 | | |
| 45 PH | R | 8.05 | 8.07 | 8.01 | 8.10 | 8.04 | 8.10 | 8.15 | 8.12 | | | | |
| 45 (LAB) | T | 7.46 | 7.60 | 7.50 | 7.45 | 7.35 | 7.61 | 7.67 | 7.44 | | | | |
| 46 PHOSPHORUS FILTERED REACTIVE | R | <W | <W | <W | <W | <W | <W | <W | <W | | | 0.01 | |
| 46 (LAB) mg/L | T | 0.0115 | 0.0105 | <W | <W | <W | <W | <W | <W | | | mg/L | |
| 47 PHOSPHORUS TOTAL | R | <W | 0.014 | 0.013 | 0.011 | 0.019 | 0.012 | 0.020 | 0.023 | | | 0.01 | |
| 47 (LAB) mg/L | T | 0.011 | 0.012 | <W | <W | <W | <W | <W | <W | | | mg/L | |
| 48 ALDRIN | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | | 1 | 700 |
| 48 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | | ng/L | ng/L ** |
| 49 ALPHA BHC | R | 2<T | 2<T | 3<T | 2<T | 2<T | 2<T | 3<T | 4<T | <W | | 1 | 700 |
| 49 (PST) ng/L | T | 4<T | 5<T | 3<T | 3<T | 3<T | 4<T | 5<T | 7<T | <W | | ng/L | ng/L c |
| 50 BETA BHC | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | | 1 | 300 |
| 50 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | | ng/L | ng/L c |
| 51 LINDANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | | 1 | 4000 |
| 51 (PST) ng/L | T | <W | 2<T | <W | <W | 1<T | 2<T | 2<T | 5<T | <W | | ng/L | ng/L |
| 52 ALPHA CHLORDANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | | 2 | 700 |
| 52 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | | ng/L | ng/L *** |
| 53 GAMMA CHLORDANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | | 2 | 700 |
| 53 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | | ng/L | ng/L *** |
| 54 DIELDRIN | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | | 2 | 700 |
| 54 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | 4<T | | ng/L | ng/L ** |
| 55 METHOXYCHLOR | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | | 5 | 100000 |
| 55 (PST) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | | ng/L | ng/L |

WINDSOR WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 6a

| PARAMETERS | | | DATE | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-----------------------|------|---|--------|--------|-------|--------|--------|--------|--------|-------|--------|--------------------|--|
| | | | JAN 21 | JAN 28 | FEB 4 | FEB 12 | FEB 19 | FEB 26 | MAR 12 | APR 2 | APR 16 | | |
| 56 ENDRIN | | R | <W | <W | <W | <W | <W | <W | <W | <W | | 4 | 200 |
| 56 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | | ng/L | ng/L |
| 57 THIODAN SULPHATE | | R | <W | <W | <W | <W | <W | <W | <W | <W | | 4 | |
| 57 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | | ng/L | |
| 58 THIODAN I | | R | <W | <W | <W | <W | <W | <W | <W | <W | | 2 | 74000 |
| 58 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | | ng/L | ng/L ea |
| 59 THIODAN II | | R | <W | <W | <W | <W | <W | <W | <W | <W | | 4 | 74000 |
| 59 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | | ng/L | ng/L ea |
| 60 METHYLPARATHION | | R | + | + | + | + | + | + | + | + | + | 50 | 7000 |
| 60 (SPC) | | T | + | + | + | + | + | + | + | + | + | ng/L | ng/L |
| 61 PARATHION | | R | + | + | + | + | + | + | + | + | + | 50 | 35000 |
| 61 (SPC) | | T | + | + | + | + | + | + | + | + | + | ng/L | ng/L |
| 62 HEPTACHLOR EPOXIDE | | R | <W | <W | <W | <W | <W | <W | <W | <W | | 1 | 3000 +++ |
| 62 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | 1<T | <W | | ng/L | ng/L |
| 63 HEPTACHLOR | | R | <W | <W | <W | 5<T | <W | <W | <W | <W | | 1 | 3000 |
| 63 (PST) | ng/L | T | 5<T | <W | <W | <W | <W | <W | <W | <W | | ng/L | ng/L +++ |
| 64 MIREX | | R | <W | <W | <W | <W | <W | <W | <W | <W | | 5 | |
| 64 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | | ng/L | . |
| 65 OXYCHLORDANE | | R | <W | <W | <W | <W | <W | <W | <W | <W | | 2 | |
| 65 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | | ng/L | |
| 66 O, P, -DDT. | | R | <W | <W | <W | <W | <W | <W | <W | <W | | 5 | 30000 |
| 66 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | | ng/L | ng/L d |

PAGE 7a

| PARAMETERS | | | DATE | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------|------|---|--------|--------|-------|--------|--------|--------|--------|-------|--------|--------------------|--|
| | | | JAN 21 | JAN 28 | FEB 4 | FEB 12 | FEB 19 | FEB 26 | MAR 12 | APR 2 | APR 16 | | |
| 67 PCB | | R | <W | <W | <W | <W | <W | <W | <W | <W | | 20 | 3000 |
| 67 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | | ng/L | ng/L |
| 68 P,P-DDD | | R | <W | <W | <W | <W | <W | <W | <W | <W | | 5 | d |
| 68 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | | ng/L | |
| 69 P,P-DDE | | R | <W | <W | <W | <W | <W | <W | <W | <W | | 1 | d |
| 69 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | | ng/L | |
| 70 P,P-DDT | | R | <W | <W | <W | <W | <W | <W | <W | <W | | 5 | d |
| 70 (PST) | ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | | ng/L | |
| 71 AMETRINE | | R | + | + | + | + | + | + | + | + | + | 50 | |
| 71 (SPC) | ng/L | T | + | + | + | + | + | + | + | + | + | ng/L | |
| 72 ATRAZINE | | R | + | + | + | + | + | + | + | + | + | 50 | 46000 |
| 72 (SPC) | ng/L | T | + | + | + | + | + | + | + | + | + | ng/L | ng/L |
| 73 DIAZINON | | R | + | + | + | + | + | + | + | + | + | 50 | 14000 |
| 73 (SPC) | ng/L | T | + | + | + | + | + | + | + | + | + | ng/L | ng/L |
| 74 BLADEx | | R | + | + | + | + | + | + | + | + | + | 100 | 10000 |
| 74 (SPC) | ng/L | T | + | + | + | + | + | + | + | + | + | ng/L | ng/L |
| 75 PROMETONE | | R | + | + | + | + | + | + | + | + | + | 50 | |
| 75 (SPC) | ng/L | T | + | + | + | + | + | + | + | + | + | ng/L | |
| 76 PROPAZINE | | R | + | + | + | + | + | + | + | + | + | 50 | |
| 76 (SPC) | ng/L | T | + | + | + | + | + | + | + | + | + | ng/L | |
| 77 PROMETRYNE | | R | + | + | + | + | + | + | + | + | + | 50 | 1000 |
| 77 (SPC) | ng/L | T | + | + | + | + | + | + | + | + | + | ng/L | ng/L |

WINDSOR WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 8a

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|-------------------------|------|---|---------|--------|-------|--------|--------|--------|--------|-------|--------|--------------------|--|----------------|
| | | | JAN 21 | JAN 28 | FEB 4 | FEB 12 | FEB 19 | FEB 26 | MAR 12 | APR 2 | APR 16 | | | APR 30 |
| 78 SENCOR | | R | + | + | + | + | + | + | + | + | + | + | 100 ng/L | |
| 78 (SPC) | ng/L | T | + | + | + | + | + | + | + | + | + | + | | |
| 79 SIMAZINE | | R | + | + | + | + | + | + | + | + | + | + | 50 ng/L | 10000 ng/L |
| 79 (SPC) | ng/L | T | + | + | + | + | + | + | + | + | + | + | | |
| 80 DICAMBA | | R | + | + | + | + | + | + | + | + | + | + | 100 ng/L | 87000 ng/L |
| 80 (SPC) | ng/L | T | + | + | + | + | + | + | + | + | + | + | | |
| 81 PICLORAM | | R | + | + | + | + | + | + | + | + | + | + | 100 ng/L | |
| 81 (SPC) | ng/L | T | + | + | + | + | + | + | + | + | + | + | | |
| 82 SILVEX | | R | + | + | + | + | + | + | + | + | + | + | 50 ng/L | 10000 ng/L |
| 82 (SPC) | ng/L | T | + | + | + | + | + | + | + | + | + | + | | |
| 83 2,4-D | | R | + | + | + | + | + | + | + | + | + | + | 100 ng/L | 100000 ng/L |
| 83 (SPC) | ng/L | T | + | + | + | + | + | + | + | + | + | + | | |
| 84 2,4-D BUTYRIC ACID | | R | + | + | + | + | + | + | + | + | + | + | 200 ng/L | 18000 ng/L |
| 84 (SPC) | ng/L | T | + | + | + | + | + | + | + | + | + | + | | |
| 85 2,4-D PROPIONIC ACID | | R | + | + | + | + | + | + | + | + | + | + | 100 ng/L | |
| 85 (SPC) | ng/L | T | + | + | + | + | + | + | + | + | + | + | | |
| 86 2,4,5-T | | R | + | + | + | + | + | + | + | + | + | + | 50 ng/L | |
| 86 (SPC) | ng/L | T | + | + | + | + | + | + | + | + | + | + | | |
| 87 TOTAL SOLIDS | | R | 153 | 155 | 166 | 168 | 186 | 175 | 147 | 145 | | | 1 mg/L | |
| 87 (LAB) | mg/L | T | 155 | 159 | 172 | 170 | 188 | 179 | 178 | 169 | | | | |
| 88 SELENIUM | | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 0.001 mg/L | 0.01 mg/L |
| 88 (MET) | mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | | |

**WINDSOR WATER TREATMENT PLANT
1986 DWSP DATA**

PAGE 9a

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|---------------------------------|---|--------|---------|--------|--------|--------|---------|--------|--------|-------|--------|--------------------|--|
| | | | JAN 21 | JAN 28 | FEB 4 | FEB 12 | FEB 19 | FEB 26 | MAR 12 | APR 2 | APR 16 | APR 30 | |
| 89 STRONTIUM | R | 0.099 | 0.093 | 0.100 | 0.110 | 0.120 | 0.120 | 0.100 | 0.091 | 0.140 | 0.098 | 0.001 | |
| 89 (MET) mg/L | T | 0.085 | 0.098 | 0.110 | 0.110 | 0.110 | 0.120 | 0.120 | 0.097 | 0.140 | 0.098 | mg/L | |
| 90 TOTAL COLIFORM MF | R | 600 | 140 | 1800 | 1900 | 2800 | 1200A3C | 3200 | 94 | 72A3C | 19A3C | 0 | ODWO Bacti |
| 90 (BAC) count/100mL | T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 91 TOTAL COLIFORM BACKGROUND MF | R | 3900 | 170 | 1000 | 22000 | 7800 | 32500 | 9600 | 72 | 1960 | 35000 | 0 | OWDO Bacti |
| 91 (BAC) count/100mL | T | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 92 TURBIDITY | R | 2.10 | 2.60 | 1.96 | 4.10 | 3.70 | 2.30 | 13.80 | 12.00 | | | 0.01 | 1 FTU |
| 92 (LAB) FTU | T | 0.48<T | 0.33<T | 0.88<T | 0.32<T | 0.59<T | 0.63<T | 1.05 | 0.73<T | | | FTU | |
| 93 URANIUM | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 0.002 | .02 mg/L t |
| 93 (MET) mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | mg/L | |
| 94 VANADIUM | R | <W | <W | <W | <W | <W | 0.002 | 0.002 | <W | 0.003 | 0.001 | 0.001 | |
| 94 (MET) mg/L | T | <W | <W | <W | 0.001 | <W | 0.001 | 0.002 | <W | <W | <W | mg/L | |
| 95 HEXACHLOROBUTADIENE | R | <W | 2<T | 4<T | <W | <W | 5<T | <W | <W | 3<T | | 1 | 4500 ng/L e |
| 95 (CHA) ng/L | T | <W | <W | 3<T | <W | <W | <W | 4<T | <W | <W | | ng/L | |
| 96 1,1-DICHLOROETHYLENE | R | <W | <W | <W | <W | <W | <W | <W | 2 | <W | <W | 1 | .3 ug/L h |
| 96 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | |
| 97 T,1,2-DICHLOROETHYLENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | |
| 97 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | |
| 98 1,1-DICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | |
| 98 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | |

WINDSOR WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 10a

| PARAMETERS | | | DATE | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|---------------------------|---|----|--------|--------|-------|--------|--------|--------|--------|-------|--------|--------------------|--|--------|
| | | | JAN 21 | JAN 28 | FEB 4 | FEB 12 | FEB 19 | FEB 26 | MAR 12 | APR 2 | APR 16 | | | APR 30 |
| 99 CHLOROFORM | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 3 | 1 | 350 | ++ |
| 99 (VOL) ug/L | T | 35 | 22 | 23 | 33 | 50 | 29 | 49 | 60 | 72 | 31 | ug/L | ug/L | |
| 100 DICHLOROMETHANE | R | <W | <W | <W | <W | <W | CS | <W | CS | <W | CS | 5 | 40 | c |
| 100 (VOL) ug/L | T | CS | <W | <W | <W | <W | CS | CS | CS | <W | <W | ug/L | ug/L | |
| 101 1,1,1-TRICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | 3 | <W | <W | 1 | 1000 | c |
| 101 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L | |
| 102 1,2-DICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 10 | h |
| 102 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L | |
| 103 CARBON TETRACHLORIDE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 3 | h |
| 103 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L | |
| 104 1,2 DICHLOROPROPANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | | |
| 104 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | | |
| 105 TRICHLOROETHYLENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 30 | h |
| 105 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L | |
| 106 DICHLOROBROMOMETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 350 | ++ |
| 106 (VOL) ug/L | T | 12 | 10 | 11 | 15 | 14 | 15 | 17 | 12 | 16 | 12 | ug/L | ug/L | |
| 107 1,1,2-TRICHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 6 | e |
| 107 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L | |
| 108 CHLORODIBROMOMETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 350 | ++ |
| 108 (VOL) ug/L | T | 17 | 10 | 9 | 11 | 8 | 10 | 10 | 6 | 5 | 3 | ug/L | ug/L | |

WINDSOR WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 11a

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ | |
|-------------------------------|---|-----|---------|--------|-------|--------|--------|--------|--------|-------|--------|--------------------|--|----|
| | | | JAN 21 | JAN 28 | FEB 4 | FEB 12 | FEB 19 | FEB 26 | MAR 12 | APR 2 | APR 16 | | | |
| 109 TETRACHLOROETHYLENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 10 | h |
| 109 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L | |
| 110 BROMOFORM | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 350 | ++ |
| 110 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L | |
| 111 1,1,2,2-TETRACHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 1.7 | e |
| 111 (VOL) ug/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ug/L | ug/L | |
| 112 HEXACHLOROBENZENE | R | <W | <W | 1<T | <W | <W | <W | <W | <W | <W | <W | 1 | 10 | h |
| 112 (PST) ng/L | T | 2<T | 3<T | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L | |
| 113 HEXACHLOROETHANE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 19000 | e |
| 113 (CHA) ng/L | T | <W | <W | 5<T | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L | |
| 114 OCTACHLOROSTYRENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | | |
| 114 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | | |
| 115 PENTACHLOROBENZENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 1 | 74000 | e |
| 115 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L | |
| 116 TOTAL TRIHALOMETHANES | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | 3 | 3 | 350 | ++ |
| 116 (VOL) ug/L | T | 64 | 42 | 43 | 59 | 72 | 54 | 76 | 78 | 93 | 46 | ug/L | ug/L | |
| 117 2,3,6-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 5 | | |
| 117 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | | |
| 118 2,4,5-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 5 | 10000 | g |
| 118 (CHA) ng/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | ng/L | |
| 119 2,6,A-TRICHLOROTOLUENE | R | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | 5 | | |
| 119 (CHA) mg/L | T | <W | <W | <W | <W | <W | <W | <W | <W | <W | <W | ng/L | | |

WINDSOR WATER TREATMENT PLANT

1986 DWSP DATA

PAGE 12a

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WINDSOR WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 13a

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-------------------------------|---|-------|---------|--------|-------|--------|--------|--------|--------|-------|--------|--------------------|--|
| | | | JAN 21 | JAN 28 | FEB 4 | FEB 12 | FEB 19 | FEB 26 | MAR 12 | APR 2 | APR 16 | | |
| 131 PENTACHLOROPHENOL | R | + | + | + | + | + | + | + | + | + | + | 50 | 10000 ng/L |
| 131 (CHP) ng/L | T | + | + | + | + | + | + | + | + | + | + | ng/L | |
| 132 2,3,4-TRICHLOROPHENOL | R | + | + | + | + | + | + | + | + | + | + | 100 | |
| 132 (CHP) ng/L | T | + | + | + | + | + | + | + | + | + | + | ng/L | |
| 133 2,3,4,5-TETRACHLOROPHENOL | R | + | + | + | + | + | + | + | + | + | + | 50 | |
| 133 (CHP) ng/L | T | + | + | + | + | + | + | + | + | + | + | ng/L | |
| 134 2,3,5,6-TETRACHLOROPHENOL | R | + | + | + | + | + | + | + | + | + | + | 50 | |
| 134 (CHP) ng/L | T | + | + | + | + | + | + | + | + | + | + | ng/L | |
| 135 2,4,5-TRICHLOROPHENOL | R | + | + | + | + | + | + | + | + | + | + | 50 | |
| 135 (CHP) ng/L | T | + | + | + | + | + | + | + | + | + | + | ng/L | |
| 136 2,4,6-TRICHLOROPHENOL | R | + | + | + | + | + | + | + | + | + | + | 50 | 10000 ng/L |
| 136 (CHP) ng/L | T | + | + | + | + | + | + | + | + | + | + | ng/L | |
| 137 ZINC | R | 0.002 | 0.002 | 0.003 | 0.003 | 0.006 | 0.004 | 0.007 | 0.120 | 0.350 | 0.042 | 0.001 | 5 mg/L |
| 137 (MET) mg/L | T | 0.003 | 0.007 | 0.003 | 0.004 | 0.002 | 0.003 | 0.006 | 0.006 | 0.002 | 0.002 | mg/L | |
| 138 PENTACHLOROPROPANE | R | <W | <W | | | | | | | | | 0.1 | |
| 138 (MS) ug/L | T | <W | <W | | | | | | | | | ug/L | |
| 139 PENTACHLOROPROPENE | R | <W | <W | | | | | | | | | 0.1 | |
| 139 (MS) ug/L | T | <W | <W | | | | | | | | | ug/L | |
| 140 HEXACHLOROPROPENE | R | <W | <W | | | | | | | | | 0.1 | |
| 140 (MS) ug/L | T | <W | <W | | | | | | | | | ug/L | |
| 141 TETRACHLOROBUTANE | R | <W | <W | | | | | | | | | 0.1 | |
| 141 (MS) ug/L | T | <W | <W | | | | | | | | | ug/L | |

WINDSOR WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 14a

| PARAMETERS | | | D A T E | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|--------------------------|---|-----|---------|--------|-------|--------|--------|--------|--------|-------|--------|--------------------|--|
| | | | JAN 21 | JAN 28 | FEB 4 | FEB 12 | FEB 19 | FEB 26 | MAR 12 | APR 2 | APR 16 | | |
| 142 PENTACHLOROBUTADIENE | R | <W | <W | | | | | | | | | 0.1 | |
| 142 (MS) ug/L | T | <W | <W | | | | | | | | | ug/L | |
| 143 N-DICHLOROMETHYLENE- | R | <W | <W | | | | | | | | | 0.1 | |
| 143 PENTACHLOROANALINE | T | <W | <W | | | | | | | | | ug/L | |
| 143 (MS) ug/L | | | | | | | | | | | | | |
| 144 FLUORANTHENE | R | <W | <W | | | | | | | | | 0.1 | |
| 144 (MS) ug/L | T | <W | <W | | | | | | | | | ug/L | |
| 145 NAPHTHALENE | R | <W | <W | | | | | | | | | 0.1 | |
| 145 (MS) ug/L | T | <W | <W | | | | | | | | | ug/L | |
| 146 METHYL PHENANTHRENE | R | <W | <W | | | | | | | | | 0.1 | |
| 146 (MS) ug/L | T | <W | <W | | | | | | | | | ug/L | |
| 147 PYRENE | R | <W | <W | | | | | | | | | 0.1 | |
| 147 (MS) ug/L | T | <W | <W | | | | | | | | | ug/L | |
| 148 DIPHENYL ETHER | R | <W | <W | | | | | | | | | 0.1 | |
| 148 (MS) ug/L | T | <W | <W | | | | | | | | | ug/L | |
| 149 DI-N-BUTYL PHTHALATE | R | 0.2 | 0.4 | | | | | | | | | 0.1 | 34000 |
| 149 (MS) ug/L | T | 0.9 | 0.9 | | | | | | | | | ug/L | ug/L e |
| 150 CL BIPHENYL | R | <W | <W | | | | | | | | | 0.1 | |
| 150 (MS) ug/L | T | <W | <W | | | | | | | | | ug/L | |
| 151 ATRAZINE | R | <W | <W | | | | | | | | | 0.1 | 46 |
| 151 (MS) ug/L | T | <W | <W | | | | | | | | | ug/L | ug/L ! |

WINDSOR WATER TREATMENT PLANT
1986 DWSP DATA

PAGE 15a

| PARAMETERS | D A T E | | | | | | | | | | DETECTION LIMIT | DRINKING WATER OBJ/ GUIDELINE ¹ |
|-----------------------------|---------|--------|-------|--------|--------|--------|--------|-------|--------|--------|--------------------|--|
| | JAN 21 | JAN 28 | FEB 4 | FEB 12 | FEB 19 | FEB 26 | MAR 12 | APR 2 | APR 16 | APR 30 | | |
| 152 BIPHENYL | R <W | <W | | | | | | | | | 0.1 | |
| 152 (MS) ug/L | T <W | <W | | | | | | | | | ug/L | |
| 153 ALIPHATIC HYDROCARBONS* | R <W | <W | | | | | | | | | 0.1 | |
| 153 (MS) ug/L | T <W | <W | | | | | | | | | ug/L | |
| 154 TRIMETHYL NAPHTHALENE** | R <W | <W | | | | | | | | | 0.1 | |
| 154 (MS) ug/L | T <W | <W | | | | | | | | | ug/L | |
| 155 DIMETHYL FLUORENE | R <W | <W | | | | | | | | | 0.1 | |
| 155 (MS) ug/L | T <W | <W | | | | | | | | | ug/L | |
| 156 BUTOXY ETHOXYETHANE | R <W | <W | | | | | | | | | 0.1 | |
| 156 (MS) ug/L | T <W | <W | | | | | | | | | ug/L | |
| 157 STYRENE | R <W | <W | | | | | | | | | 0.1 | |
| 157 (MS) ug/L | T <W | <W | | | | | | | | | ug/L | |

* - Hydrocarbon "envelope" - total concentration is number given - number in brackets is an estimation of the number of compounds in the envelope

** - Number in brackets is number of isomers present

LAB - Chemistry (LAB)

FLD - Chemistry (FIELD)

BAC - Bacteriological

MS - Mass Spec. Ana.

MET - Metal

VOL - Volatiles

PST - PCB/OC Scan. Pesticides

CHA - Chloroaromatics

CHP - Chlorophenols

SPC - Specific Pesticides

TABLE B

SUMMARY OF ST. CLAIR STUDY RESULTS

Page 1

| LOCATION | PARAMETERS | | | | | | | | | | |
|-------------------|------------|------------|---------|---------------|-------------|-----------|--------------|---------|--------|------------|-----------|
| | 24 METAL | 7 PHYSICAL | 8 ANION | 6 FIELD TESTS | 5 BACTERIAL | 10 DIOXIN | 39 PESTICIDE | 19 MS** | 5 THM* | 45 ORGANIC | 168 TOTAL |
| AMHERSTBURG | | | | | | | | | | | |
| Raw | 238(19) | 105(7) | 69(8) | 51(3) | 72(4) | 6(1) | 0(0) | 3(1) | 0(0) | 1(1) | 545(44) |
| Treated | 190(17) | 75(6) | 55(7) | 102(6) | 17(3) | 0(0) | 1(1) | 3(1) | 68(4) | 2(2) | 513(47) |
| Total # Positives | 428 | 180 | 124 | 153 | 89 | 6 | 1 | 6 | 68 | 3 | 1058 |
| Total # Tests | 804 | 208 | 242 | 153 | 157 | 233 | 744 | 150 | 170 | 1292 | 4153 |
| MITCHELL'S BAY | | | | | | | | | | | |
| Raw | 209(18) | 98(7) | 65(7) | 39(3) | 51(4) | 4(1) | 0(0) | 3(2) | 0(0) | 0(0) | 469(42) |
| Treated | 187(17) | 75(6) | 44(4) | 78(6) | 6(2) | 0(0) | 0(0) | 3(2) | 61(4) | 3(2) | 457(43) |
| Total # Positives | 396 | 173 | 109 | 117 | 57 | 4 | 0 | 6 | 61 | 3 | 926 |
| Total # Tests | 711 | 198 | 224 | 117 | 114 | 176 | 562 | 120 | 150 | 1092 | 3464 |
| SARNIA | | | | | | | | | | | |
| Raw | 166(17) | 93(7) | 56(6) | 42(3) | 28(4) | 2(1) | 0(0) | 4(1) | 0(0) | 0(0) | 391(39) |
| Treated | 196(16) | 72(5) | 65(7) | 82(6) | 7(1) | 0(0) | 0(0) | 3(1) | 56(4) | 2(2) | 483(42) |
| Total # Positives | 362 | 165 | 121 | 124 | 35 | 2 | 0 | 7 | 56 | 2 | 874 |
| Total # Tests | 689 | 195 | 216 | 125 | 77 | 296 | 515 | 188 | 140 | 998 | 3439 |
| STONE POINT | | | | | | | | | | | |
| Raw | 220(19) | 98(7) | 62(8) | 35(3) | 43(4) | 3(1) | 0(0) | 2(1) | 0(0) | 0(0) | 463(43) |
| Treated | 182(16) | 74(7) | 44(6) | 74(6) | 12(3) | 0(0) | 0(0) | 2(1) | 52(4) | 2(2) | 442(45) |
| Total # Positives | 402 | 172 | 106 | 109 | 55 | 3 | 0 | 4 | 52 | 2 | 905 |
| Total # Tests | 728 | 198 | 224 | 113 | 111 | 162 | 659 | 120 | 130 | 1049 | 3494 |
| WALLACEBURG | | | | | | | | | | | |
| Raw | 319(20) | 160(7) | 95(8) | 76(3) | 91(4) | 2(1) | 0(0) | 6(1) | 4(4) | 25(5) | 778(53) |
| Treated | 282(17) | 116(7) | 64(6) | 145(6) | 14(4) | 1(1) | 0(0) | 6(2) | 97(5) | 18(2) | 743(50) |
| Total # Positives | 601 | 276 | 159 | 221 | 105 | 3 | 0 | 12 | 101 | 43 | 1521 |
| Total # Tests | 1234 | 323 | 337 | 221 | 212 | 337 | 1063 | 280 | 260 | 1934 | 6201 |

.... Continued on Page 2

SUMMARY OF ST. CLAIR STUDY RESULTS

Page 2

| LOCATION | PARAMETERS | | | | | | | | | | | |
|----------------|-------------------|------------|---------|---------------|-------------|-----------|--------------|---------|--------|------------|-----------|---------|
| | 24 METAL | 7 PHYSICAL | 8 ANION | 6 FIELD TESTS | 5 BACTERIAL | 10 DIOXIN | 39 PESTICIDE | 19 MS** | 5 THM* | 45 ORGANIC | 168 TOTAL | |
| WINDSOR | Raw | 264(20) | 112(7) | 75(6) | 60(3) | 72(4) | 8(2) | 0(0) | 6(2) | 6(4) | 4(3) | 607(51) |
| | Treated | 250(14) | 97(7) | 67(6) | 114(6) | 13(2) | 2(1) | 0(0) | 6(2) | 80(4) | 12(5) | 641(47) |
| | Total # Positives | 514 | 209 | 142 | 174 | 85 | 10 | 0 | 12 | 86 | 16 | 1248 |
| | Total # Tests | 920 | 264 | 262 | 178 | 136 | 309 | 786 | 240 | 195 | 1514 | 4804 |
| WALPOLE ISLAND | Raw | 213(17) | 125(7) | 68(5) | 45(3) | 65(4) | 0(0) | 0(0) | 10(5) | 0(0) | 17(5) | 543(46) |
| | Treated | 195(16) | 85(5) | 47(3) | 86(6) | 6(3) | 1(1) | 0(0) | 6(1) | 61(5) | 19(4) | 506(44) |
| | Total # Positives | 408 | 210 | 115 | 131 | 71 | 1 | 0 | 16 | 61 | 36 | 1049 |
| | Total # Tests | 799 | 245 | 274 | 132 | 107 | 320 | 637 | 288 | 165 | 1155 | 4122 |
| TOTALS | Raw | 1629 | 791 | 490 | 348 | 422 | 25 | 0 | 34 | 10 | 47 | 3796 |
| | Treated | 1482 | 594 | 386 | 681 | 75 | 4 | 1 | 29 | 475 | 58 | 3785 |
| | Total # Positives | 3111 | 1385 | 876 | 1029 | 497 | 29 | 1 | 63 | 485 | 105 | 7581 |
| | Total # Tests | 5885 | 1631 | 1779 | 1039 | 914 | 1833 | 4966 | 1386 | 1210 | 9034 | 29677 |

Example: 24 Metal Parameters

102(19) - 102 positives representing 19 of 24 parameters

*THM = Trihalomethanes

**MS = Mass Spec. Analysis

Page 1
January 21, 1986

[illegible]

TABLE C.1: DATA SUMMARY: MOE DIOXIN SURVEY IN ST. CLAIR AREA WATER TREATMENT PLANTS

| LOCATION | SAMPLE | DATE | CHLORINATED DIBENZO-P-DIOXINS (ppq) | | | | | | CHLORINATED DIBENZOFURANS (ppq) | | | | |
|------------------------|---------|----------|-------------------------------------|-------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|---------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|
| | | | 2,3,7,8 -T ₄ CDD | (TETRA) T ₄ CDD | (PENTA) P ₅ CDD | (HEXA) H ₆ CDD | (HEPTA) H ₇ CDD | (OCTA) O ₈ CDD | (TETRA) T ₄ CDF | (PENTA) P ₅ CDF | (HEXA) H ₆ CDF | (HEPTA) H ₇ CDF | (OCTA) O ₈ CDF |
| WINDSOR (Continued) | Raw | 10/03/85 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Treated | 10/03/85 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Raw | 11/20/85 | ND | * | ND | ND | ND | 63 | ND | ND | ND | ND | ND |
| | Treated | 11/20/85 | ND | * | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| AMHERSTBURG | Raw | 07/02/85 | ND | ND | ND | ND | ND | 20 | ND | ND | ND | ND | ND |
| | Treated | 07/02/85 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | Raw | 11/19/85 | ND | * | ND | ND | ND | 115 | ND | ND | ND | ND | ND |
| | Treated | 11/19/85 | ND | * | ND | ND | ND | ND | ND | ND | ND | ND | ND |

ND = Not Detected at an average detection limit of 10 ppq

* = Sample contamination, value cannot be determined

- = No Data

ppq = parts per quadrillion, picograms per litre (pg/L)

CO-OPERATIVE MHSW, MOE AND CARLETON UNIVERSITY ANALYSIS OF CHLORINATED DIBENZODIOXINS
AND DIBENZOFURANS IN ST. CLAIR AREA WATER TREATMENT PLANTS Update

Page 1

Updated: January 27, 1986

[illegible]

TABLE C.2: DATA SUMMARY: CO-OPERATIVE MH&W, MOE AND CARLETON UNIVERSITY ANALYSIS OF CHLORINATED DIBENZODIOXINS AND DIBENZOFURANS IN ST. CLAIR AREA WATER TREATMENT PLANTS

| AGENCY | LOCATION | SAMPLE | DATE | CHLORINATED DIBENZO-P-DIOXINS (ppq) | | | | | | CHLORINATED DIBENZOFURANS (ppq) | | | | |
|------------|-------------------------------|----------------|----------------------|-------------------------------------|-------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|---------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|
| | | | | 2,3,7,8 -T ₄ CDD | (TETRA) T ₄ CDD | (PENTA) P ₅ CDD | (HEXA) H ₆ CDD | (HEPTA) H ₇ CDD | (OCTA) O ₈ CDD | (TETRA) T ₄ CDF | (PENTA) P ₅ CDF | (HEXA) H ₆ CDF | (HEPTA) H ₇ CDF | (OCTA) O ₈ CDF |
| H&W | WALPOLE ISLAND (Continued) | Raw | 12/09/85 | ND(9) | ND(9) | ND(6) | ND(10) | ND(13) | T<10 | ND(6) | ND(6) | ND(6) | ND(10) | ND(10) |
| | | Treated | 12/09/85 | ND(3) | ND(3) | ND(4) | ND(9) | ND(11) | ND(15) | ND(3) | ND(3) | ND(6) | ND(5) | ND(10) |
| H&W | | Raw | 12/17/85 | ND(15) | ND(15) | ND(3) | ND(6) | ND(20) | ND(20) | ND(3) | ND(3) | ND(3) | ND(20) | ND(20) |
| | | Treated | 12/17/85 | ND(2) | ND(2) | ND(2) | ND(4) | ND(20) | ND(20) | ND(2) | ND(2) | ND(2) | ND(20) | ND(20) |
| | | Raw | 12/22/85 | NOT SAMPLED | | | | | | | | | | |
| | | Treated | 12/22/85 | | | | | | | | | | | |
| MOE | WINDSOR | Raw | 12/03/85 | ND(9) | ND(9) | ND(10) | ND(10) | ND(10) | 15 | ND(10) | ND(10) | ND(10) | ND(10) | T<10 |
| | | Treated | 12/03/85 | ND(10) | ND(10) | ND(10) | ND(10) | ND(19) | T<10 | ND(10) | ND(10) | ND(14) | ND(17) | T<10 |
| MOE | | Raw | 12/10/85 | ND(3) | ND(3) | ND(3) | ND(9) | ND(14) | T<97 | ND(3) | ND(3) | ND(6) | ND(4) | ND(4) |
| | | Treated | 12/10/85 | ND(3) | ND(3) | ND(9) | ND(4) | ND(4) | T<12 | ND(3) | ND(3) | ND(6) | ND(4) | ND(4) |
| MOE | | Raw | 12/17/85 | ND(9) | ND(9) | ND(4) | ND(8) | ND(15) | T<23 | ND(2) | ND(4) | ND(4) | ND(15) | ND(15) |
| | | Treated | 12/17/85 | ND(2) | ND(2) | ND(2) | ND(4) | ND(4) | ND(15) | ND(2) | ND(2) | ND(2) | ND(2) | ND(13) |
| MOE | AMHERSTBURG | Raw | 12/02/85 | ND(13) | ND(13) | ND(30) | ND(10) | T<17 | 1100 | ND(10) | ND(30) | ND(10) | ND(10) | ND(10) |
| | | Treated | 12/02/85 | ND(6) | ND(6) | ND(8) | ND(10) | ND(10) | ND(10) | ND(10) | ND(11) | ND(10) | ND(10) | ND(10) |
| H&W MOE | | Raw Treated | 12/10/85 12/10/85 | ND(4) ND(5) | ND(4) ND(5) | ND(2) ND(24) | ND(4) ND(30) | ND(26) ND(9) | ND(110) ND(10) | ND(2) ND(7) | ND(2) ND(12) | ND(3) ND(3) | ND(24) ND(11) | ND(24) ND(10) |

TABLE C.2: DATA SUMMARY: CO-OPERATIVE MH&W, MOE AND CARLETON UNIVERSITY ANALYSIS OF CHLORINATED DIBENZODIOXINS AND DIBENZOFURANS IN ST. CLAIR AREA WATER TREATMENT PLANTS

| AGENCY | LOCATION | SAMPLE | DATE | CHLORINATED DIBENZO-P-DIOXINS (ppq) | | | | | | CHLORINATED DIBENZOFURANS (ppq) | | | | |
|--------|----------------|---------|----------|-------------------------------------|-------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|---------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|
| | | | | 2,3,7,8 -T ₄ CDD | (TETRA) T ₄ CDD | (PENTA) P ₅ CDD | (HEXA) H ₆ CDD | (HEPTA) H ₇ CDD | (OCTA) O ₈ CDD | (TETRA) T ₄ CDF | (PENTA) P ₅ CDF | (HEXA) H ₆ CDF | (HEPTA) H ₇ CDF | (OCTA) O ₈ CDF |
| MOE | MITCHELL'S BAY | Raw | 11/25/85 | ND(15) | ND(15) | ND(10) | ND(10) | ND(10) | 140 | ND(10) | ND(10) | ND(10) | ND(10) | ND(10) |
| | | Treated | 11/25/85 | ND(15) | ND(15) | ND(10) | ND(10) | ND(10) | T<15 | ND(10) | ND(10) | ND(10) | ND(10) | ND(10) |
| H&W | | Raw | 12/09/85 | ND(3) | ND(3) | ND(9) | ND(4) | ND(12) | T<170 | ND(3) | ND(6) | ND(9) | ND(4) | ND(4) |
| | | Treated | 12/09/85 | ND(3) | ND(3) | ND(3) | ND(9) | ND(11) | T<11 | ND(3) | ND(3) | ND(6) | ND(4) | ND(4) |
| MOE | STONEY POINT | Raw | 12/03/85 | ND(10) | ND(10) | ND(25) | ND(10) | ND(19) | 96 | ND(10) | ND(10) | ND(10) | ND(10) | ND(10) |
| | | Treated | 12/03/85 | ND(10) | ND(10) | ND(15) | ND(10) | ND(10) | ND(10) | ND(10) | ND(10) | ND(14) | ND(10) | ND(10) |
| H&W | | Raw | 12/17/85 | ND(9) | ND(9) | ND(4) | ND(8) | ND(23) | T<50 | ND(3) | ND(4) | ND(4) | ND(23) | ND(23) |
| | | Treated | 12/17/85 | ND(2) | ND(2) | ND(2) | ND(4) | ND(8) | ND(12) | ND(2) | ND(2) | ND(2) | ND(4) | ND(11) |

T<X Trace amount detected. Quantitative value could not be determined because response was within three times background or within three times sample detection limit. Expected value is less than (<) or equal to "X".

ND Not detected. Detection limit is given in brackets (ppq).
Data are corrected for recovery if recoveries are within 35% - 130%. Data for recoveries 10% - 34% are corrected for recovery. Values reported as <X. Data are not corrected if recoveries are greater than 130%.

NP Data not reported if spike recoveries <10%.

NR Replicate determinations are not comparable.

INT Sample interference - could not analyze.

BC Blank contamination; data cannot be reported.

TP Sample received late in laboratory, did not meet time protocol for analysis.

- No data; one replicate only - duplicate sample lost in shipping.

TABLE C.3: DATA SUMMARY: CO-OPERATIVE H&W, MOE AND CARLETON UNIVERSITY ANALYSIS OF CHLORINATED DIBENZODIOXINS AND DIBENZOFURANS IN ST. CLAIR AREA WATER TREATMENT PLANTS

| AGENCY | LOCATION | SAMPLE | DATE | CHLORINATED DIBENZO-P-DIOXINS (ppq) | | | | | | CHLORINATED DIBENZOFURANS (ppq) | | | | |
|--------|--------------------------|---------|----------|-------------------------------------|-------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|---------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|
| | | | | 2,3,7,8 -T ₄ CDD | (TETRA) T ₄ CDD | (PENTA) P ₅ CDD | (HEXA) H ₆ CDD | (HEPTA) H ₇ CDD | (OCTA) O ₈ CDD | (TETRA) T ₄ CDF | (PENTA) P ₅ CDF | (HEXA) H ₆ CDF | (HEPTA) H ₇ CDF | (OCTA) O ₈ CDF |
| H&W | LAMBTON AREA (SARNIA) | Raw | 01/06/86 | ND(2) | ND(2) | ND(2) | ND(3) | NR | NR | ND(2) | ND(2) | ND(2) | NR | NR |
| | | Treated | 01/06/86 | ND(2) | ND(2) | ND(2) | ND(2) | NR | NR | ND(2) | ND(2) | ND(2) | NR | NR |
| H&W | | Raw | 01/13/86 | ND(10) | ND(10) | ND(5) | ND(5) | ND(6) | BC(33) | ND(3) | ND(3) | ND(5) | ND(6) | ND(7) |
| | | Treated | 01/13/86 | ND(10) | ND(10) | ND(6) | ND(5) | ND(6) | BC(33) | ND(4) | ND(4) | ND(5) | ND(6) | ND(7) |
| H&W | | Raw | 01/20/86 | ND(2) | ND(2) | ND(8) | ND(6) | ND(9) | 38(6) | ND(4) | ND(6) | ND(6) | ND(5) | ND(6) |
| | | Treated | 01/20/86 | ND(2) | ND(2) | ND(6) | ND(6) | ND(4) | ND 15 | ND(4) | ND(5) | ND(5) | ND(4) | ND(5) |
| H&W | | Raw | 01/28/86 | ND(2) | ND(2) | ND(4) | ND(4) | ND(4) | ND(21) | ND(2) | ND(3) | ND(3) | ND(4) | ND(7) |
| | | Treated | 01/28/86 | ND(1) | ND(1) | ND(3) | ND(3) | ND(8) | NR | ND(1) | ND(2) | ND(2) | ND(4) | ND(6) |
| MOE | | Raw | 02/02/86 | ND(3) | ND(3) | ND(14) | ND(4) | ND(4) | ND(9) | ND(3) | ND(6) | ND(2) | ND(4) | ND(3) |
| | | Treated | 02/02/86 | ND(4) | ND(4) | ND(5) | ND(5) | ND(2) | ND(3) | ND(4) | ND(5) | ND(3) | ND(3) | ND(3) |
| H&W | | Raw | 02/04/86 | TP | TP | TP | TP | TP | TP | TP | TP | TP | TP | TP |
| | | Treated | 02/04/86 | TP | TP | TP | TP | TP | TP | TP | TP | TP | TP | TP |
| H&W | | Raw | 02/11/86 | ND(1) | ND(1) | ND(2) | ND(3) | ND(5) | ND(12) | ND(2) | ND(3) | ND(2) | ND(4) | ND(5) |
| | | Treated | 02/11/86 | ND(1) | ND(1) | ND(1) | ND(2) | ND(4) | ND(12) | ND(1) | ND(2) | ND(2) | ND(2) | ND(3) |
| H&W | | Raw | 02/17/86 | ND(1) | ND(1) | ND(1) | ND(1) | ND(2) | ND(6) | ND(1) | ND(1) | ND(1) | ND(1) | ND(4) |
| | | Treated | 02/17/86 | ND(1) | ND(1) | ND(1) | ND(1) | ND(2) | NR | ND(1) | ND(1) | ND(2) | ND(1) | ND(2) |
| H&W | | Raw | 02/23/86 | ND(1) | ND(1) | ND(3) | ND(4) | NR | 13(3) | ND(2) | ND(2) | ND(2) | ND(3) | ND(4) |
| | | Treated | 02/23/86 | ND(1) | ND(1) | ND(2) | ND(1) | NR | NR | ND(1) | ND(1) | ND(1) | ND(3) | ND(3) |

TABLE C.3: DATA SUMMARY: CO-OPERATIVE H&W, MOE AND CARLETON UNIVERSITY ANALYSIS OF CHLORINATED DIBENZODIOXINS AND DIBENZOFURANS IN ST. CLAIR AREA WATER TREATMENT PLANTS

| AGENCY | LOCATION | SAMPLE | DATE | CHLORINATED DIBENZO-P-DIOXINS (ppg) | | | | | | CHLORINATED DIBENZOFURANS (ppg) | | | | |
|-------------|-------------|---------|----------|-------------------------------------|-------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|---------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|
| | | | | 2,3,7,8 -T ₄ CDD | (TETRA) T ₄ CDD | (PENTA) P ₅ CDD | (HEXA) H ₆ CDD | (HEPTA) H ₇ CDD | (OCTA) O ₈ CDD | (TETRA) T ₄ CDF | (PENTA) P ₅ CDF | (HEXA) H ₆ CDF | (HEPTA) H ₇ CDF | (OCTA) O ₈ CDF |
| MOE/ H&W | WALLACEBURG | Raw | 03/04/86 | ND(3) | ND(3) | ND(9) | ND(4) | ND(10) | NR | ND(2) | ND(7) | ND(3) | ND(7) | ND(5) |
| | | Treated | 03/04/86 | ND(4) | ND(4) | ND(7) | ND(6) | NR | NR | ND(4) | ND(7) | ND(5) | NR | NR |
| MOE | | Treated | 03/20/86 | ND(4) | ND(4) | ND(9) | ND(9) | ND(6) | ND(5) | ND(7) | ND(8) | ND(5) | ND(6) | ND(4) |
| MOE | | Treated | 04/09/86 | ND(6) | ND(6) | ND(9) | ND(1) | ND(4) | ND(7) | ND(9) | ND(5) | ND(7) | ND(3) | ND(2) |
| MOE | | Treated | 04/23/86 | ND(7) | ND(7) | ND(9) | ND(3) | ND(4) | ND(4) | ND(5) | ND(6) | ND(4) | ND(5) | ND(3) |
| MOE | | Treated | 05/14/86 | ND(5) | ND(5) | ND(20) | ND(5) | ND(8) | ND(4) | ND(5) | ND(7) | ND(5) | ND(15) | ND(5) |
| H&W | | Raw | 01/06/86 | ND(2) | ND(2) | ND(2) | ND(3) | ND(4) | NR | ND(2) | ND(2) | ND(2) | ND(5) | ND(7) |
| | | Treated | 01/06/86 | ND(2) | ND(2) | ND(2) | ND(3) | ND(3) | ND(18) | ND(2) | ND(2) | ND(2) | ND(3) | ND(4) |
| H&W | | Raw | 01/12/86 | ND(10) | ND(10) | ND(5) | ND(5) | NR | NR | ND(3) | ND(5) | ND(5) | NR | NR |
| | | Treated | 01/12/86 | ND(10) | ND(10) | ND(2) | ND(2) | ND(5) | 19(6) | ND(1) | ND(2) | ND(2) | ND(4) | ND(6) |
| H&W | | Raw | 01/19/86 | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| | | Treated | 01/19/86 | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| H&W | | Raw | 01/26/86 | ND(2) | ND(2) | ND(6) | ND(5) | ND(5) | ND(21) | ND(2) | ND(4) | ND(5) | ND(5) | ND(9) |
| | | Treated | 01/26/86 | ND(3) | ND(3) | ND(5) | ND(4) | ND(4) | ND(21) | ND(2) | ND(4) | ND(4) | ND(4) | ND(7) |
| H&W | | Raw | 02/05/86 | TP | TP | TP | TP | TP | TP | TP | TP | TP | TP | TP |
| | | Treated | 02/05/86 | TP | TP | TP | TP | TP | TP | TP | TP | TP | TP | TP |
| H&W | | Raw | 02/12/86 | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| | | Treated | 02/12/86 | ND(1) | ND(1) | ND(2) | ND(2) | ND(3) | ND(12) | ND(1) | ND(2) | ND(2) | ND(3) | ND(6) |
| H&W | | Raw | 02/17/86 | ND(1) | ND(1) | ND(1) | ND(1) | ND(1) | NR | ND(1) | ND(1) | ND(2) | ND(1) | ND(2) |
| | | Treated | 02/17/86 | ND(1) | ND(1) | ND(1) | ND(1) | ND(1) | ND(6) | ND(1) | ND(1) | ND(2) | ND(1) | ND(2) |

TABLE C.3: DATA SUMMARY: CO-OPERATIVE H&W, MOE AND CARLETON UNIVERSITY ANALYSIS OF CHLORINATED DIBENZODIOXINS AND DIBENZOFURANS IN ST. CLAIR AREA WATER TREATMENT PLANTS

| AGENCY | LOCATION | SAMPLE | DATE | CHLORINATED DIBENZO-P-DIOXINS (ppq) | | | | | | CHLORINATED DIBENZOFURANS (ppq) | | | | |
|--------|----------------|---------|----------|-------------------------------------|-------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|---------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|
| | | | | 2,3,7,8 -T ₄ CDD | (TETRA) T ₄ CDD | (PENTA) P ₅ CDD | (HEXA) H ₆ CDD | (HEPTA) H ₇ CDD | (OCTA) O ₈ CDD | (TETRA) T ₄ CDF | (PENTA) P ₅ CDF | (HEXA) H ₆ CDF | (HEPTA) H ₇ CDF | (OCTA) O ₈ CDF |
| H&W | WALPOLE ISLAND | Raw | 02/24/86 | ND(1) | ND(1) | ND(2) | ND(1) | IN | 12(2) | ND(1) | ND(1) | ND(2) | ND(3) | ND(3) |
| | | Treated | 02/24/86 | ND(1) | ND(1) | ND(2) | ND(1) | ND(3) | ND(6) | ND(1) | ND(1) | ND(1) | ND(2) | ND(3) |
| MOE | | Treated | 03/13/86 | ND(4) | ND(4) | ND(5) | ND(7) | ND(5) | ND(4) | ND(6) | ND(3) | ND(3) | ND(6) | ND(4) |
| MOE | | Treated | 03/19/86 | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| MOE | | Treated | 04/01/86 | ND(5) | ND(5) | ND(10) | ND(5) | ND(2) | ND(3) | ND(3) | ND(6) | ND(2) | ND(2) | ND(1) |
| MOE | | Treated | 04/08/86 | ND(13) | ND(13) | ND(18) | ND(7) | ND(4) | ND(5) | ND(11) | ND(8) | ND(6) | ND(9) | ND(4) |
| MOE | | Treated | 04/15/86 | LR | LR | LR | ND(2) | ND(2) | ND(3) | LR | LR | ND(2) | ND(2) | ND(3) |
| MOE | | Treated | 04/22/86 | ND(1) | ND(1) | ND(1) | ND(1) | NR | NR | ND(1) | ND(1) | ND(1) | NR | NR |
| MOE | | Treated | 04/29/86 | ND(5) | ND(5) | ND(16) | ND(4) | ND(3) | ND(2) | ND(7) | ND(7) | ND(2) | ND(6) | ND(2) |
| MOE | | Treated | 05/14/86 | ND(4) | ND(4) | ND(23) | ND(8) | ND(7) | ND(6) | ND(4) | ND(8) | ND(7) | ND(8) | ND(10) |
| H&W | | Raw | 01/06/86 | ND(2) | ND(2) | ND(2) | ND(3) | ND(4) | ND(24) | ND(2) | ND(2) | ND(2) | ND(4) | ND(5) |
| | | Treated | 01/06/86 | ND(2) | ND(2) | ND(2) | ND(3) | ND(18) | 41(7) | ND(2) | ND(2) | ND(2) | ND(5) | ND(7) |
| MOE | | Raw | 01/06/86 | ND(3) | ND(3) | ND(50) | ND(13) | ND(5) | ND(18) | ND(4) | ND(2) | ND(2) | ND(7) | ND(4) |
| | | Treated | 01/06/86 | ND(5) | ND(5) | ND(5) | ND(6) | NR | ND(18) | ND(3) | ND(3) | ND(8) | ND(6) | ND(4) |
| H&W | | Raw | 01/13/86 | ND(10) | ND(10) | ND(3) | ND(3) | ND(9) | 35(7) | ND(2) | ND(2) | ND(2) | ND(5) | ND(7) |
| | | Treated | 01/13/86 | ND(10) | ND(10) | ND(3) | ND(4) | ND(11) | 28(9) | ND(2) | ND(3) | ND(4) | ND(5) | ND(9) |
| H&W | | Raw | 01/20/86 | ND(4) | ND(4) | ND(6) | ND(7) | ND(7) | BC(21) | ND(4) | ND(5) | ND(6) | ND(4) | ND(5) |
| | | Treated | 01/20/86 | ND(2) | ND(2) | ND(6) | ND(7) | ND(4) | ND(15) | ND(4) | ND(5) | ND(6) | ND(4) | ND(5) |
| H&W | | Raw | 01/27/86 | ND(2) | ND(2) | ND(4) | ND(4) | NR | NR | ND(2) | ND(4) | ND(3) | NR | NR |
| | | Treated | 01/27/86 | ND(1) | ND(1) | ND(3) | ND(3) | ND(3) | BC(16) | ND(1) | ND(2) | ND(3) | ND(3) | ND(3) |

TABLE C.3: DATA SUMMARY: CO-OPERATIVE H&W, MOE AND CARLETON UNIVERSITY ANALYSIS OF CHLORINATED DIBENZODIOXINS AND DIBENZOFURANS IN ST. CLAIR AREA WATER TREATMENT PLANTS

| AGENCY | LOCATION | SAMPLE | DATE | CHLORINATED DIBENZO-P-DIOXINS (ppq) | | | | | | CHLORINATED DIBENZOFURANS (ppq) | | | | |
|--------|----------|---------|----------|-------------------------------------|-------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|---------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|
| | | | | 2,3,7,8 -T ₄ CDD | (TETRA) T ₄ CDD | (PENTA) P ₅ CDD | (HEXA) H ₆ CDD | (HEPTA) H ₇ CDD | (OCTA) O ₈ CDD | (TETRA) T ₄ CDF | (PENTA) P ₅ CDF | (HEXA) H ₆ CDF | (HEPTA) H ₇ CDF | (OCTA) O ₈ CDF |
| H&W | WINDSOR | Raw | 02/05/86 | TP | TP | TP | TP | TP | TP | TP | TP | TP | TP | TP |
| | | Treated | 02/05/86 | TP | TP | TP | TP | TP | TP | TP | TP | TP | TP | TP |
| H&W | | Raw | 02/20/86 | ND(2) | ND(2) | ND(1) | ND(1) | ND(2) | ND(9) | ND(1) | ND(1) | ND(1) | ND(2) | ND(2) |
| | | Treated | 02/20/86 | ND(2) | ND(2) | ND(1) | ND(1) | NR | NR | ND(1) | ND(1) | ND(1) | NR | NR |
| H&W | | Raw | 02/24/86 | ND(1) | ND(1) | ND(2) | ND(1) | ND(3) | 9(2) | ND(1) | ND(1) | ND(1) | ND(3) | ND(3) |
| | | Treated | 02/24/86 | ND(1) | ND(1) | ND(2) | ND(4) | NR | NR | ND(2) | ND(2) | ND(3) | NR | NR |
| MOE | | Treated | 03/13/86 | ND(4) | ND(4) | ND(1) | ND(7) | ND(3) | ND(4) | ND(3) | ND(2) | ND(5) | ND(6) | ND(8) |
| MOE | | Treated | 04/01/86 | ND(5) | ND(5) | ND(11) | ND(3) | ND(2) | ND(5) | ND(3) | ND(4) | ND(3) | ND(3) | ND(1) |
| MOE | | Treated | 04/15/86 | ND(1) | ND(1) | ND(1) | ND(1) | ND(1) | ND(3) | ND(1) | ND(1) | ND(1) | ND(1) | ND(3) |
| MOE | | Treated | 04/29/86 | NR | NR | NR | ND(3) | ND(3) | ND(2) | NR | NR | ND(2) | ND(3) | ND(1) |
| MOE | | Treated | 05/22/86 | ND(5) | ND(5) | ND(19) | ND(6) | ND(7) | ND(4) | ND(4) | ND(9) | ND(3) | ND(6) | ND(4) |
| H&W | | Raw | 01/07/86 | ND(2) | ND(2) | ND(2) | ND(3) | LR | LR | ND(2) | ND(2) | ND(2) | LR | LR |
| | | Treated | 01/07/86 | ND(2) | ND(2) | ND(2) | ND(3) | LR | LR | ND(2) | ND(2) | ND(2) | LR | LR |
| H&W | | Raw | 01/14/86 | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| | | Treated | 01/14/86 | ND(10) | ND(10) | ND(5) | ND(5) | ND(7) | T(23) | ND(2) | ND(4) | ND(5) | ND(6) | ND(10) |
| H&W | | Raw | 01/21/86 | ND(2) | ND(2) | ND(8) | ND(6) | ND(4) | T(18) | ND(4) | ND(6) | ND(6) | ND(4) | ND(6) |
| | | Treated | 01/21/86 | ND(2) | ND(2) | ND(8) | ND(8) | ND(9) | 46(6) | ND(5) | ND(7) | ND(7) | ND(5) | ND(6) |
| H&W | | Raw | 01/28/86 | ND(1) | ND(1) | ND(4) | ND(4) | ND(6) | ND(21) | ND(2) | ND(3) | ND(4) | ND(6) | ND(9) |
| | | Treated | 01/28/86 | ND(1) | ND(1) | ND(4) | ND(4) | ND(9) | BC(32) | ND(2) | ND(3) | ND(4) | ND(5) | ND(7) |

TABLE C.3: DATA SUMMARY: CO-OPERATIVE H&W, MOE AND CARLETON UNIVERSITY ANALYSIS OF CHLORINATED DIBENZODIOXINS AND DIBENZOFURANS IN ST. CLAIR AREA WATER TREATMENT PLANTS

| AGENCY | LOCATION | SAMPLE | DATE | CHLORINATED DIBENZO-P-DIOXINS (ppq) | | | | | | CHLORINATED DIBENZOFURANS (ppq) | | | | |
|--------|-------------|---------|----------|-------------------------------------|-------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|---------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|
| | | | | 2,3,7,8 -T ₄ CDD | (TETRA) T ₄ CDD | (PENTA) P ₅ CDD | (HEXA) H ₆ CDD | (HEPTA) H ₇ CDD | (OCTA) O ₈ CDD | (TETRA) T ₄ CDF | (PENTA) P ₅ CDF | (HEXA) H ₆ CDF | (HEPTA) H ₇ CDF | (OCTA) O ₈ CDF |
| H&W | AMHERSTBURG | Raw | 02/05/86 | TP | TP | TP | TP | TP | TP | TP | TP | TP | TP | TP |
| | | Treated | 02/05/86 | TP | TP | TP | TP | TP | TP | TP | TP | TP | TP | TP |
| H&W | | Raw | 02/12/86 | ND(1) | ND(1) | ND(1) | ND(2) | ND(4) | 55(5) | ND(1) | ND(1) | ND(2) | ND(4) | ND(5) |
| | | Treated | 02/12/86 | ND(1) | ND(1) | ND(2) | ND(2) | NR | NR | ND(1) | ND(2) | ND(3) | NR | NR |
| H&W | | Raw | 02/19/86 | ND(1) | ND(1) | ND(2) | ND(1) | ND(2) | 23(4) | ND(1) | ND(2) | ND(3) | ND(2) | ND(4) |
| | | Treated | 02/19/86 | ND(1) | ND(1) | ND(1) | ND(1) | ND(3) | ND(9) | ND(1) | ND(1) | ND(1) | ND(2) | ND(3) |
| H&W | | Raw | 02/26/86 | ND(2) | ND(2) | ND(3) | ND(5) | ND(3) | 24(3) | ND(2) | ND(2) | ND(3) | ND(4) | ND(4) |
| | | Treated | 02/26/86 | NR | NR | NR | NR | LR | LR | NR | NR | NR | LR | LR |
| MOE | | Treated | 03/13/86 | ND(8) | ND(8) | ND(7) | ND(6) | ND(9) | ND(4) | ND(5) | ND(5) | ND(4) | ND(8) | ND(3) |
| MOE | | Treated | 04/02/86 | ND(2) | ND(2) | ND(8) | ND(2) | NR | NR | ND(2) | ND(3) | ND(2) | NR | NR |
| MOE | | Treated | 04/16/86 | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| MOE | | Treated | 04/28/86 | NR | NR | NR | ND(3) | ND(4) | ND(3) | NR | NR | ND(3) | ND(4) | ND(3) |
| MOE | | Treated | 05/22/86 | ND(3) | ND(3) | ND(11) | ND(11) | ND(5) | ND(4) | ND(3) | ND(5) | ND(6) | ND(8) | ND(3) |
| H&W | | Raw | 01/07/86 | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| | | Treated | 01/07/86 | TP | TP | TP | TP | TP | TP | TP | TP | TP | TP | TP |
| MOE | | Raw | 01/14/86 | ND(3) | ND(3) | ND(13) | ND(3) | ND(9) | ND(12) | ND(2) | ND(3) | ND(2) | ND(5) | ND(3) |
| | | Treated | 01/14/86 | ND(5) | ND(5) | ND(2) | NR | ND(7) | ND(12) | ND(5) | ND(11) | ND(7) | ND(6) | ND(2) |
| H&W | | Raw | 01/14/86 | ND(10) | ND(10) | ND(5) | ND(5) | ND(6) | BC(26) | ND(3) | ND(3) | ND(5) | ND(6) | ND(7) |
| | | Treated | 01/14/86 | ND(10) | ND(10) | ND(4) | ND(4) | ND(4) | NR | ND(2) | ND(3) | ND(5) | ND(4) | ND(6) |

TABLE C.3 DATA SUMMARY: CO-OPERATIVE H&W, MOE AND CARLETON UNIVERSITY ANALYSIS OF CHLORINATED DIBENZODIOXINS AND DIBENZOFURANS IN ST. CLAIR AREA WATER TREATMENT PLANTS

| AGENCY | LOCATION | SAMPLE | DATE | CHLORINATED DIBENZO-P-DIOXINS (ppq) | | | | | | CHLORINATED DIBENZOFURANS (ppq) | | | | |
|--------|----------------------------|---------|----------|-------------------------------------|-------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|---------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|
| | | | | 2,3,7,8 -T ₄ CDD | (TETRA) T ₄ CDD | (PENTA) P ₅ CDD | (HEXA) H ₆ CDD | (HEPTA) H ₇ CDD | (OCTA) O ₈ CDD | (TETRA) T ₄ CDF | (PENTA) P ₅ CDF | (HEXA) H ₆ CDF | (HEPTA) H ₇ CDF | (OCTA) O ₈ CDF |
| H&W | AMHERSTBURG (Continued) | Raw | 01/21/86 | ND(2) | ND(2) | ND(8) | ND(10) | ND(9) | 63(6) | ND(5) | ND(6) | ND(9) | ND(5) | ND(6) |
| | | Treated | 01/21/86 | ND(2) | ND(2) | ND(8) | ND(10) | LR | LR | ND(5) | ND(6) | ND(9) | LR | LR |
| H&W | | Raw | 01/28/86 | ND(2) | ND(2) | ND(5) | ND(4) | NR | NR | ND(2) | ND(3) | ND(4) | NR | NR |
| | | Treated | 01/28/86 | ND(1) | ND(1) | ND(3) | ND(3) | NR | NR | ND(2) | ND(3) | ND(3) | NR | NR |
| H&W | | Raw | 02/17/86 | ND(1) | ND(1) | ND(3) | ND(1) | ND(2) | 23(3) | ND(2) | ND(2) | ND(2) | ND(2) | ND(2) |
| | | Treated | 02/17/86 | ND(1) | ND(1) | ND(3) | ND(2) | ND(3) | ND(9) | ND(1) | ND(2) | ND(2) | ND(3) | ND(2) |
| H&W | | Raw | 02/26/86 | NR | NR | NR | ND(5) | ND(6) | 28(2) | NR | NR | ND(3) | ND(4) | ND(4) |
| | | Treated | 02/26/86 | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| MOE | | Treated | 03/19/86 | ND(7) | ND(7) | ND(20) | ND(6) | NR | NR | ND(5) | ND(6) | ND(8) | NR | NR |
| MOE | | Treated | 04/07/86 | ND(3) | ND(3) | ND(8) | ND(4) | ND(2) | ND(12) | ND(9) | ND(2) | ND(8) | ND(4) | ND(2) |
| MOE | MITCHELL'S BAY | Treated | 04/21/86 | ND(7) | ND(7) | ND(1) | ND(3) | ND(4) | ND(2) | ND(3) | ND(2) | ND(3) | ND(6) | ND(2) |
| MOE | | Treated | 05/13/86 | ND(4) | ND(4) | ND(18) | ND(10) | ND(7) | ND(6) | ND(3) | ND(8) | ND(5) | ND(10) | ND(4) |
| H&W | | Raw | 01/06/86 | ND(2) | ND(2) | ND(2) | ND(3) | ND(12) | 35(6) | ND(2) | ND(2) | ND(2) | ND(4) | ND(6) |
| | | Treated | 01/06/86 | ND(2) | ND(2) | ND(2) | ND(3) | NR | NR | ND(2) | ND(2) | ND(2) | NR | NR |
| MOE | | Raw | 01/20/86 | ND(3) | ND(3) | ND(26) | ND(3) | ND(13) | 24(2) | ND(2) | ND(2) | ND(1) | ND(4) | ND(3) |
| | | Treated | 01/20/86 | ND(4) | ND(4) | ND(1) | ND(2) | ND(4) | ND(9) | ND(2) | ND(5) | ND(1) | ND(2) | ND(4) |
| H&W | | Raw | 01/20/86 | ND(4) | ND(4) | ND(6) | ND(6) | ND(9) | BC(32) | ND(4) | ND(6) | ND(6) | ND(4) | ND(5) |
| | | Treated | 01/20/86 | ND(2) | ND(2) | ND(5) | ND(5) | ND(3) | ND(15) | ND(3) | ND(4) | ND(5) | ND(3) | ND(4) |
| H&W | | Raw | 02/18/86 | ND(1) | ND(1) | ND(2) | ND(2) | ND(3) | 26(5) | ND(1) | ND(2) | ND(2) | ND(2) | ND(3) |
| | | Treated | 02/18/86 | NR | NR | NR | ND(2) | ND(2) | ND(9) | NR | NR | ND(1) | ND(2) | ND(2) |

TABLE C.3 DATA SUMMARY: CO-OPERATIVE H&W, MOE AND CARLETON UNIVERSITY ANALYSIS OF CHLORINATED DIBENZODIOXINS AND DIBENZOFURANS IN ST. CLAIR AREA WATER TREATMENT PLANTS

Page 7

| AGENCY | LOCATION | SAMPLE | DATE | CHLORINATED DIBENZO-P-DIOXINS (ppq) | | | | | | CHLORINATED DIBENZOFURANS (ppq) | | | | |
|--------|--------------|---------|----------|-------------------------------------|-------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|---------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|
| | | | | 2,3,7,8 -T ₄ CDD | (TETRA) T ₄ CDD | (PENTA) P ₅ CDD | (HEXA) H ₆ CDD | (HEPTA) H ₇ CDD | (OCTA) O ₈ CDD | (TETRA) T ₄ CDF | (PENTA) P ₅ CDF | (HEXA) H ₆ CDF | (HEPTA) H ₇ CDF | (OCTA) O ₈ CDF |
| MOE | STONEY POINT | Treated | 03/13/86 | ND(1) | ND(1) | ND(1) | ND(3) | ND(2) | ND(5) | ND(3) | ND(4) | ND(5) | ND(4) | ND(8) |
| MOE | | Treated | 04/01/86 | ND(3) | ND(3) | ND(8) | ND(3) | ND(2) | ND(9) | ND(3) | ND(5) | ND(1) | ND(3) | ND(1) |
| MOE | | Treated | 04/14/86 | ND(1) | ND(1) | ND(1) | ND(1) | ND(1) | ND(4) | ND(1) | ND(1) | ND(1) | ND(1) | ND(4) |
| MOE | | Treated | 04/30/86 | ND(3) | ND(3) | ND(10) | ND(3) | ND(3) | ND(2) | ND(4) | ND(2) | ND(3) | ND(4) | ND(2) |
| MOE | | Treated | 05/22/86 | LR | LR | LR | ND(4) | ND(6) | ND(6) | LR | LR | ND(4) | ND(6) | ND(7) |
| H&W | | Raw | 01/15/86 | ND(10) | ND(10) | ND(5) | ND(5) | ND(12) | 51(6) | ND(2) | ND(4) | ND(5) | ND(5) | ND(6) |
| | | Treated | 01/15/86 | ND(10) | ND(10) | ND(5) | ND(5) | ND(7) | T(18) | ND(2) | ND(4) | ND(5) | ND(6) | ND(8) |
| MOE | | Raw | 01/29/86 | ND(3) | ND(3) | ND(30) | ND(4) | ND(5) | 24(3) | ND(2) | ND(3) | ND(2) | ND(4) | ND(4) |
| | | Treated | 01/29/86 | ND(5) | ND(3) | ND(5) | ND(4) | ND(3) | ND(6) | ND(2) | ND(3) | ND(4) | ND(3) | ND(2) |
| H&W | | Raw | 01/29/86 | ND(1) | ND(1) | ND(4) | ND(4) | ND(6) | BC(33) | ND(2) | ND(3) | ND(4) | ND(6) | ND(9) |
| | | Treated | 01/29/86 | ND(1) | ND(1) | ND(3) | ND(3) | ND(5) | BC(15) | ND(1) | ND(2) | ND(3) | ND(5) | ND(8) |
| H&W | | Raw | 02/26/86 | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| | | Treated | 02/26/86 | LR | LR | LR | LR | LR | LR | LR | LR | LR | LR | LR |
| MOE | | Treated | 03/18/86 | ND(4) | ND(4) | ND(5) | ND(6) | ND(5) | MD(4) | ND(3) | ND(2) | ND(2) | ND(5) | ND(2) |
| MOE | | Treated | 04/07/86 | ND(5) | ND(5) | ND(10) | ND(5) | ND(3) | ND(8) | ND(5) | ND(6) | ND(5) | ND(6) | ND(4) |
| MOE | | Treated | 04/21/86 | ND(4) | ND(4) | ND(1) | ND(4) | ND(4) | ND(6) | ND(5) | ND(5) | ND(4) | ND(5) | ND(4) |
| MOE | | Treated | 05/13/86 | ND(7) | ND(7) | ND(15) | ND(11) | ND(9) | NR | ND(4) | ND(6) | ND(5) | ND(8) | ND(10) |

FOOTNOTES

All data given in parts per quadrillion (ppq), corrected for internal standard recovery. Values in brackets after reported concentrations are sample detection limits (ppq).

T(X) Trace amount detected. Calculated concentration given in brackets (ppq) but peak too low for reliable quantitation.
ND Not detected. Detection limit is given in brackets (ppq).
NR Data not replicated.
BC(X) Blank contamination, (X) is the recovery-corrected contamination detected.
LR Low recovery.
TP Sample received late in the laboratory; did not meet time protocol for analysis.
IN Chemical interference, could not analyze.

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S34
O36
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